



DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LT. GOVERNOR

KEVIN M. BURKE
SECRETARY

The Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Department of Fire Services

P.O. Box 1025 ~ State Road

Stow, Massachusetts 01775

(978) 567~3100 Fax: (978) 567~3121



STEPHEN D. COAN
STATE FIRE MARSHAL

THOMAS P. LEONARD
DEPUTY STATE FIRE MARSHAL

MEMORANDUM

TO: Heads of Fire Department

FROM: Stephen D. Coan
State Fire Marshal

DATE: August 1, 2009

SUBJECT: **BFPR Updates**

Included please find several recent amendments to 527 CMR.

The first amendment is to 527 CMR 11.00: Commercial Cooking Operations. These amendments are significant and address concerns highlighted by the tragic August, 2007, West Roxbury restaurant fire which took the lives of two firefighters and injured a dozen others. Highlights of the enhancements include: implementation of a statewide uniform tagging and record keeping system relating to the cleaning and inspection of commercial cooking operations; requirements that those who engage in the cleaning or inspecting of Commercial Cooking Operations, in the Commonwealth, possess a valid Certificate of Competency issued by the State Fire Marshal. Such requirements are effective as of January 2010. Additionally, the amendment updated the referenced standard to the 2008 version of NFPA 96. In the coming months, you can expect further guidance information as my office continues implementation of this important regulation.

Additionally, I have attached a copy of new amendments to 527 CMR 9: Tanks and Containers. This set of amendments finalizes the Operator Training Requirements for UST owners/operators. The requirements for operator training are effective in August 2012. The BFPR finalized these regulations to meet recent Federal Energy Act requirements. However, please note that this activity has been transferred to Mass DEP, effective July 1, 2009.

Administrative Services • Hazardous Materials Response
Massachusetts Firefighting Academy • Office of the State Fire Marshal

Finally, a copy of amendments to 527 CMR 10.13 is also included. These amendments change the effective date from July 1, 2009, to July 1, 2010, for the Designation of a Crowd Manager and Fire and Building Safety Checklist for certain Assembly Type Buildings.

If you have any further questions please contact the Code Compliance and Enforcement Unit at 978-567-3375 or in Western MA at 413-587-3181.

SDC/bhs



THE COMMONWEALTH OF MASSACHUSETTS

William Francis Galvin

Secretary of the Commonwealth

Regulation Filing *To be completed by filing agency*CHAPTER NUMBER: 527 CMR 10.00CHAPTER TITLE: FIRE PREVENTION, GENERAL PROVISIONSAGENCY: Board of Fire Prevention Regulations

SUMMARY OF REGULATION: *State the general requirements and purposes of this regulation.*
527 CMR 10.00 establishes general and miscellaneous provisions of the state fire code.

REGULATORY AUTHORITY: M.G.L. c. 22D, s. 4; c. 148 s. 9, 10, 28AGENCY CONTACT: Peter A. Senopoulos, Esq.PHONE: 978-567-3183ADDRESS: P.O. Box 1025, State Road, Stow, MA 01775**Compliance with M.G.L. c. 30A**EMERGENCY ADOPTION - *If this regulation is adopted as an emergency, state the nature of the emergency.*

The purpose of this amendment is to allow additional time for the appropriate development and delivery of a training method and public awareness activities to carry out the public safety purpose of a new regulation which requires the designation of a crowd manager and the completion of a safety checklist for certain public assembly occupancies.

PRIOR NOTIFICATION AND/OR APPROVAL - *If prior notification to and/or approval of the Governor, Legislature or others was required, list each notification, and/or approval and date, including notice to the Local Government Advisory Commission.*

Not applicable: emergency regulation.

PUBLIC REVIEW - *M.G.L. c. 30A sections 2 and/or 3 requires notice of the hearing or comment period be filed with the Secretary of the Commonwealth, published in appropriate newspapers, and sent to persons to whom specific notice must be given at least 21 days prior to such hearing or comment period.*

Date of public hearing or comment period: Not applicable: emergency regulation.

FISCAL EFFECT - *Estimate the fiscal effect of the public and private sectors.*

For the first and second year: no significant impact

For the first five years: see above

No fiscal effect: _____

SMALL BUSINESS IMPACT - *State the impact of this regulation on small business. Include a description of reporting, record keeping and other compliance requirements as well as the appropriateness of performance versus design standards and whether this regulation duplicates or conflicts with any other regulation. If the purpose of this regulation is to set rates for the state, this section does not apply.*

Owners and operators of buildings classified as A-2 will have an obligation to maintain a fire and building safety checklist and to designate a crowd manager who is responsible for maintaining a fire safety checklist and assure clear egress and crowd control.

CODE OF MASSACHUSETTS REGULATIONS INDEX - *List key subjects that are relevant to this regulation:*

Exit announcements

Crowd manager

Fire and building safety checklist

PROMULGATION - *State the action taken by this regulation and its effect on existing provisions of the Code of Massachusetts Regulations (CMR) or repeal, replace or amend. List by CMR number:*

Amends portions of existing 527 CMR 10.00 by adding and/or modifying several new subsections.

ATTESTATION - *The regulation described herein and attached hereto is a true copy of the regulation adopted by this agency.* ATTEST:

SIGNATURE: Teter A. Sargunian DATE: 5-21-09

Publication - *To be completed by the Regulations Division*

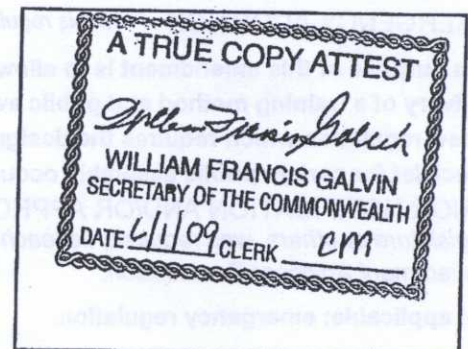
MASSACHUSETTS REGISTER NUMBER: 1133 DATE: 6/26/09

EFFECTIVE DATE: 6/1/09

CODE OF MASSACHUSETTS REGULATIONS

Remove these pages: _____ Insert these pages: _____

THIS IS AN EMERGENCY REGULATION
THERE ARE NO REPLACEMENT PAGES



10.13: continued

Exception: Temporary deviation from the specifics of the approved seating diagram shall be permitted provided the occupant load is not increased and the intent of 527 CMR 10.17 is maintained.

(c) Exit Announcements. The owner or operator of any business or activity located within a Place of Assembly classified as an A-1 or A-2 use group under 780 CMR, the State Building Code, shall make an audible announcement prior to the start of each program or performance that notifies occupants of the location of the exits to be used in case of a fire or other emergency.

Such announcement may be made in person or by recorded communication and shall be communicated in such a reasonable manner to assure that all persons in attendance are aware of the location of the exits. Owners or operators of assemblies involving video or cinema presentations may use such video or cinematic medium to communicate such audible announcement or projected image. Such announcement or projected image shall include the location of egress routes or areas of rescue assistance for use by persons with disabilities.

In addition to the audible announcements required by 527 CMR 10.13, if any written program, playbill or similar document is distributed prior to each program or performance, such document shall include a diagram of the location of all egress routes or areas of rescue assistance for use by persons with disabilities.

(d) Designation of a Crowd Manager. Effective July 1, 2010, the owner or operator of the business or activity located in any Place of Assembly classified as an A-2 use group under 780 CMR, the State Building Code, shall designate a crowd manager.

The crowd manager shall be at least 21 years of age, shall be the owner or operator of the business or shall be under the direct control and supervision of said owner or operator. The crowd manager shall be responsible for the following:

1. maintaining clear exits, assuring that there is no overcrowding, initiating a fire alarm if necessary, directing occupants to exits; and
2. General fire and life safety awareness of employees and occupants, including assuring that exit announcements are made in accordance with 527 CMR 10.13(2)(c); and
3. Accurately completing the safety plan checklist required by 527 CMR 10.13(2)(e).

The crowd manager shall be knowledgeable about the responsibilities required in 527 CMR 10.13(2)(d) and (e). The Marshal shall develop training materials and the method to assure that said crowd managers are knowledgeable about their responsibilities.

(e) Fire and Building Safety Checklist. Effective July 1, 2010, the crowd manager required by the provisions of 527 CMR 10.13(2)(d) shall be responsible for the completion of the Fire & Building Safety Checklist, as prescribed by the Marshal. This checklist shall include, but not be limited to, the routine safety check of existing fire protection systems, fire extinguishers, signage, interior finish, exits, unobstructed egress, crowd control procedures, employee training and building capacity restrictions. This checklist shall be completed as required by the Marshal and shall be kept on the premises for at least one year. The checklist shall be subject to inspection by the head of the fire department, the Marshal or their designee.

(3) Special Residential Use Group.

(a) Evacuation Plan. The administration of every facility shall have in effect and available to all supervisory personnel written copies of a plan for the protection of all persons in the event of fire and for their evacuation to areas of refuge and from the building when necessary. The plan shall include special staff actions including fire protection procedures needed to ensure the safety of any resident and shall be amended or revised upon admission to the home of any resident with unusual needs. All employees shall be periodically instructed and kept informed in respect to their duties and responsibilities under the plan. Such instruction shall be reviewed by the staff at least every two months. A copy of the plan shall be readily available at all times within the facility.

(b) Resident Training. All residents capable of assisting in their evacuations shall be trained in the proper actions to take in the event of a fire. The training shall include actions to take if the primary escape route is blocked. If the resident is being given rehabilitation, training in fire prevention and actions to take in the event of a fire shall be a part of the rehabilitation training program. Residents shall be trained to assist each other in case of fire to the extent their physical and mental abilities permit them to do so without additional personal risk.

10.13: continued

(c) Fire Exit Drills. Fire exit drills shall be conducted at least six times per year, two times a year on each shift. Twelve drills shall be conducted in the first year of operation. The drills are not required to be unannounced.

(d) Evacuation. Fire exit drills shall involve the actual evacuation of all residents to a selected assembly point and shall provide residents with experience in exiting through all required exits. All credited exits shall be used during fire drills.

Exception: Actual exiting from windows shall not be required to meet the requirements 527 CMR 10.13; opening the window and signaling for help shall be an acceptable alternative.

(4) Use Group I-2 --Incapacitated Care.

(a) Evacuation Plan. The administration of every building of Use Group I-2 shall have in effect and available to all supervisory personnel written copies of a plan for the protection of all persons in the event of fire and for their evacuation to areas of refuge and from the building when necessary. All employees shall be periodically instructed and kept informed with respect to their duties under the plan. A copy of the plan shall be readily available at all times in the telephone operators position or at the security center.

(b) Bed Mobility. Every bed intended for use by health care occupants shall be easily movable under conditions of evacuation and shall be equipped with the type and size of casters to allow easy mobility, especially over elements of the structure such as expansion plates and elevator thresholds.

Exception: Beds intended for use in areas limited to patients such as convalescent, self-care, or mental health patients.

(c) Fire Exit Drills. Fire exit drills in buildings of Use Group I-2 shall include the transmission of a fire alarm signal and simulation of emergency fire conditions except that the movement of infirm or bed-ridden patients to safe areas or to the exterior of the building shall not be required. Drills shall be conducted quarterly on each shift to familiarize facility personnel with signals and emergency action required under varied conditions. At least 12 drills shall be held every year. When drills are conducted between 9:00 p.m. (2100 hours) and 6:00 a.m. (0600 hours), a coded announcement shall be permitted instead of audible alarms.

(d) Records. A record of all fire exit drills shall be kept on the premises and persons in charge of such occupancies shall file written reports at least twice a year with the head of the fire department giving the information listed in 527 CMR 10.09(4)(a).

(e) Employee Training. Employees shall be instructed in life safety procedures and devices.

(5) Use Group I-3 -- Restrained.

(a) Emergency Plan. The administration of every facility shall have in effect and provided to all supervisory personnel written copies of a plan for the protection of all persons in the event of fire and for their evacuation to areas of refuge and from the building when necessary. All employees shall be instructed and drilled with respect to their duties under the plan. The plan shall be coordinated with and reviewed by the head of the fire department.

(b) Employee Training. Employees shall be instructed in the proper use of portable fire extinguishers and other manual fire suppression equipment. With respect to new staff, such training shall be provided promptly upon entrance on duty. With respect to existing staff, refresher training shall be provided at least annually.

(c) All building of Use Group I-3, or those portions of buildings having such occupancy, shall be provided with 24 hour staffing. Staff shall be within three floors or 300' horizontal distance of the access door of each resident housing area. In Use Condition III, IV and V as defined in 780 CMR, the arrangement shall be such that the staff involved can start release of locks necessary for emergency evacuation or rescue and initiate other necessary emergency actions within two minutes of alarm.

(d) Notification. Provisions shall be made so that residents in Use Conditions III, IV, and V as defined in 780 CMR can readily notify staff of an emergency.

(e) Keys. All keys necessary for unlocking doors installed in means of egress shall be individually identified by both touch and sight.



THE COMMONWEALTH OF MASSACHUSETTS

William Francis Galvin

Secretary of the Commonwealth

Regulation Filing *To be completed by filing agency*CHAPTER NUMBER: 527 CMR 9.00CHAPTER TITLE: Tanks and ContainersAGENCY: Board of Fire Prevention RegulationsSUMMARY OF REGULATION: *State the general requirements and purposes of this regulation.*

This regulation applies to the design, construction, installation, testing and maintenance of tanks and containers in order to protect the public from the dangers of fire and/or explosions due to tank or container leakage of flammable liquids.

REGULATORY AUTHORITY: M.G.L. c. 22D, s.4; and c. 148, sections 9,10,13,28 and 38EAGENCY CONTACT: Attorney Peter A. SenopoulosPHONE: 978-567-3182ADDRESS: Mass. Bd. of Fire Prevention Regulations, P.O. Box 1026, Stow, Ma. 01775**Compliance with M.G.L. c. 30A**EMERGENCY ADOPTION - *if this regulation is adopted as an emergency, state the nature of the emergency.*

Not Applicable

PRIOR NOTIFICATION AND/OR APPROVAL - *If prior notification to and/or approval of the Governor, Legislature or others was required, list each notification, and/or approval and date, including notice to the Local Government Advisory Commission.*

Local Govt. Advisory Commission notice sent on 4-28-09

E.O. 485 approval 4-24-09

PUBLIC REVIEW - *M.G.L. c. 30A sections 2 and/or 3 requires notice of the hearing or comment period be filed with the Secretary of the Commonwealth, published in appropriate newspapers, and sent to persons to whom specific notice must be given at least 21 days prior to such hearing or comment period.*

Date of public hearing or comment period: June 4, 2009

FISCAL EFFECT - Estimate the fiscal effect of the public and private sectors.

For the first and second year: Approximately \$75 to \$150 training cost every 2 years per operator

For the first five years: see above

No fiscal effect: _____

SMALL BUSINESS IMPACT - State the impact of this regulation on small business. Include a description of reporting, record keeping and other compliance requirements as well as the appropriateness of performance versus design standards and whether this regulation duplicates or conflicts with any other regulation. If the purpose of this regulation is to set rates for the state, this section does not apply.

This amendment requires operators of underground storage tank systems to be trained and certified in accordance with an approved training program at an estimated cost of \$75 to \$150 per operator every two years. The regulation also requires the retention of enhanced documentation to confirm such certification and additional enhanced tank system inspections and reporting requirements.

CODE OF MASSACHUSETTS REGULATIONS INDEX -
Tanks and Containers
Underground Storage Tank Systems

List key subjects that are relevant to this regulation:

PROMULGATION - State the action taken by this regulation and its effect on existing provisions of the Code of Massachusetts Regulations (CMR) or repeal, replace or amend. List by CMR number:

Amends the provisions of 527 CMR 9.00

ATTESTATION - The regulation described herein and attached hereto is a true copy of the regulation adopted by this agency. ATTEST:

SIGNATURE: _____

DATE: 6-10-09

Publication - To be completed by the Regulations Division

MASSACHUSETTS REGISTER NUMBER: 1133

DATE: 6/26/09

EFFECTIVE DATE: 6/26/09

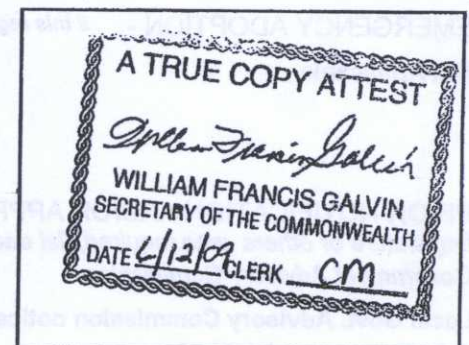
CODE OF MASSACHUSETTS REGULATIONS

Remove these pages:

Insert these pages:

1 - 4
87, 88
115, 116

1 - 4
87 - 88.2
115 - 116.2



527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

Table of Contents

	<u>Page</u>
527 CMR 1.00: ADMINISTRATION AND ENFORCEMENT	9
Section 1.01: General	9
Section 1.02: Applicability	9
Section 1.03: Enforcement Authority	10
Section 1.04: Permits	11
Section 1.05: Means of Appeal	13
Section 1.06: Orders to Eliminate Dangerous or Hazardous Conditions	13
Section 1.07: Penalties	14
Section 1.08: Definitions	14
Section 1.09: Referenced Publications	14.1
527 CMR 2.00: THE MANUFACTURING, STORAGE, TRANSPORTATION AND USE OF FIREWORKS	15
Section 2.01: Purpose and Scope	15
Section 2.02: NFPA Standards No. 1123, 1124, and 1126 Incorporated by Reference	15
Section 2.03: Definitions	15
Section 2.04: Certificates of Competency and Permits for Supervised Displays of Fireworks	22.1
Section 2.05: Manufacture of Fireworks	24.1
Section 2.06: Transportation of Fireworks	24.1
Section 2.07: Storage of Fireworks, Pyrotechnic and Explosive Compositions	24.2
Section 2.08: Supervised Display of Fireworks Outdoors	24.3
Section 2.09: Theatrical Special Effects or Pyrotechnic Display Before a Proximate Audience	24.9
527 CMR 3.00: DRY CLEANING AND DRY DYEING AND THE KEEPING, STORAGE AND USE OF CLEANING AND DYEING FLUIDS	25
Section 3.01: Adoption by Reference	25
Section 3.02: Referenced Publications	25
527 CMR 4.00: OIL BURNING EQUIPMENT	37
Section 4.01: Scope	37
Section 4.02: Definitions	37
Section 4.03: General Requirements	43
Section 4.04: Oil Burners, Light Fuel Oil Type	50
Section 4.05: Oil Burners, Heavy Fuel Oil Type	52.16
Section 4.06: Range Oil Burners	52.18
Section 4.07: Room Heaters, Water Heaters and Miscellaneous Oil Burning Equipment	52.20
Section 4.08: Referenced Publications	52.21
527 CMR 5.00: OPERATION AND MAINTENANCE OF BUILDINGS OR OTHER STRUCTURES USED AS GARAGES, SERVICE STATIONS AND THE RELATED STORAGE, KEEPING AND USE OF GASOLINE OR OTHER MOTOR FUEL	53
Section 5.01: Scope	53
Section 5.02: Definitions	53
Section 5.03: Location and Construction	55
Section 5.04: Electrical Wiring and Heating	57
Section 5.05: Storage	57
Section 5.06: Inventory	58
Section 5.07: Dispensing Equipment	59
Section 5.08: Delivery	60
Section 5.09: Operation and Maintenance	62
Section 5.10: General Provisions	63
Section 5.11: Referenced Publications	63

527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

Table of Contents

	<u>Page</u>
527 CMR 6.00: LIQUEFIED PETROLEUM GAS CONTAINERS AND SYSTEMS	65
Section 6.01: Purpose	65
Section 6.02: Scope	65
Section 6.03: Definitions	65
Section 6.04: Approval of Equipment	66
Section 6.05: Installation of Equipment - Compliance Requirements	67
Section 6.06: Emergency Reporting Procedure and Equipment	67
Section 6.07: Installation Standards and Procedures	67
Section 6.08: Permits and Licenses	70
527 CMR 7.00: MANUFACTURE AND HANDLING OF PLASTICS	71
Section 7.01: Adoption by Reference	71
Section 7.02: Referenced Publications	71
527 CMR 8.00: TRANSPORTATION OF FLAMMABLE AND COMBUSTIBLE LIQUIDS	77
Section 8.01: Purpose and Scope	77
Section 8.02: Definitions	77
Section 8.03: Transportation of Flammable and Combustible Liquids	78
Section 8.04: Permits	79
Section 8.05: Marking and Placarding of Cargo Tanks	79
Section 8.06: Marking and Placarding of Portable Tanks	80
Section 8.07: Cargo Tanks	80
Section 8.08: Double Bulkheads	81
Section 8.09: Accident Damage Protection	81
Section 8.10: Closures For Manholes	81
Section 8.11: Outlets	81
Section 8.12: Static Protection	82
Section 8.13: Lighting	82
Section 8.14: Exhaust System	82
Section 8.15: Fire Extinguishers	82
Section 8.16: Auxiliary Internal Combustion Engines	83
Section 8.17: Auxiliary Electric Generators and Motors	83
Section 8.18: Filling and Discharging Tank Vehicles	84
Section 8.19: Asphalt Tank Vehicles	84
Section 8.20: Transportation by Transfer Tanks	85
Section 8.21: General	85
Section 8.22: Referenced Publications	86
527 CMR 9.00: TANKS AND CONTAINERS	87
Section 9.01: Purpose and Scope	87
Section 9.02: Definitions	87
Section 9.03: Aboveground Storage Tanks Greater Than 10,000 Gallons Capacity or Tanks Storing Combustible Liquids	92
Section 9.04: Aboveground Storage Tanks Equal to or Less Than 10,000 Gallons Capacity For Storing Class I Liquids	94
Section 9.05: Underground Storage Tanks	94
Section 9.06: Waste Oil Storage Tanks	103
Section 9.07: General Provisions	107
Section 9.08: Referenced Publications	116.2

527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

Table of Contents

	<u>Page</u>
527 CMR 10.00: FIRE PREVENTION, GENERAL PROVISIONS	117
Section 10.01: Definitions	117
Section 10.02: Fire Extinguishers	118
Section 10.03: General Provisions	119
Section 10.04: Safety Cans	122
Section 10.05: General Storage	122
Section 10.06: Fumigation and Thermal Insecticidal Fogging	122.1
Section 10.07: Smoking	123
Section 10.08: Hospitals	124
Section 10.09: Schools	124
Section 10.10: Theatres	125
Section 10.11: Housing for the Elderly	126
Section 10.12: General Use Buildings	126
Section 10.13: Emergency Planning and Preparedness	126
Section 10.14: Hazard Abatement in Existing Buildings	128.1
Section 10.15: Bowling Establishments	128.2
Section 10.16: Dust Explosions Hazards	129
Section 10.17: Places of Assembly	129
Section 10.18: Matches	130
Section 10.19: Ovens and Furnaces	131
Section 10.20: Open Air Parking Spaces	131
Section 10.21: Tire Rebuilding Plants	131
Section 10.22: Open Air Fires	131
Section 10.23: Bonfires and the Burning of Christmas Trees	132
Section 10.24: Miscellaneous Provisions	133
Section 10.25: Bulk Merchandising Retail Buildings	133
Section 10.26: Covered Mall Buildings	134
Section 10.27: Cellulose Nitrate Film	134
Section 10.28: Referenced Publications	134
527 CMR 11.00: COMMERCIAL COOKING OPERATIONS	135
Section 11.01: Scope and Purpose	135
Section 11.02: Adoption by Reference	135
Section 11.03: Modifications of Provisions of NFPA 96	135
Section 11.04: Issuance of Certificates of Competency to Conduct Inspections and Cleaning of Commercial Cooking Operations	136.1
527 CMR 12.00: 2005 MASSACHUSETTS ELECTRICAL CODE (Amendments)	137
527 CMR 13.00: EXPLOSIVES	153
Section 13.01: Scope and Application	153
Section 13.02: Appeals and Penalties	153
Section 13.03: Definitions	154
Section 13.04: Licenses, Permits and Certificates	160
Section 13.05: Storage	163
Section 13.06: Transportation	172.6
Section 13.07: Explosive Material Mixing	172.9
Section 13.08: Phosphoric Materials (Binary Explosive Material)	172.12
Section 13.09: Use of Explosive Materials (Blasting)	172.12
Section 13.10: Explosive Manufacturing	172.24
Section 13.11: Small Arms Ammunition and Primers, Smokeless Propellants and Black Powder	172.25
Section 13.12: General Provisions	172.27
Section 13.13: References	172.29
Section 13.14: Pre/Post Blast Inspection Waiver	172.30
Section 13.15: Blasting Damage Complaint Form	172.31

527 CMR: BOARD OF FIRE PREVENTION REGULATIONS

Table of Contents

	Page
527 CMR 14.00: FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE SOLIDS OR FLAMMABLE GASES	173
Section 14.01: Scope	173
Section 14.02: Definitions	173
Section 14.03: Storage	174
Section 14.04: Handling of Flammable Fluids	178
Section 14.05: Handling of Flammable Gases	179
Section 14.06: Handling of Flammable Solids	179
Section 14.07: Fire Control	179
Section 14.08: Referenced Publications	180
527 CMR 15.00: KEEPING, HANDLING AND TRANSPORTATION OF FLAMMABLE AND COMBUSTIBLE LIQUIDS, AND THE DISPOSITION OF CRUDE PETROLEUM OR ANY OF ITS PRODUCTS IN HARBORS OR OTHER WATERS OF THE COMMONWEALTH	183
Section 15.01: Application	183
Section 15.02: Definitions	183
Section 15.03: Storage	185
Section 15.04: Handling, Transporting or Disposing	186
Section 15.05: Piping, Valves, and Fittings for Marine Wharfs	188
Section 15.06: Mobile Fuel Facility	189
Section 15.07: Fuel Vessels and Barges	189
Section 15.08: Vapor Recovery System	190
Section 15.09: General Provisions	190
Section 15.10: Referenced Publications	192
527 CMR 16.00: MODEL ROCKETS	193
Section 16.01: Adoption by Reference	193
Section 16.02: Modification of Provisions of NFPA 1122	193
Section 16.03: Modification of Provisions of NFPA 1127	193
Section 16.04: Referenced Publications	193
527 CMR 17.00: LUMBER AND OTHER FOREST PRODUCTS	199
Section 17.01: Adoption by Reference	199
Section 17.02: Referenced Publications	199
527 CMR 18.00: FLAMMABLE LIQUIDS IN BULK PLANT LOADING AND UNLOADING FACILITIES	203
Section 18.01: Definitions	203
Section 18.02: Bottom Loading Facilities	205
Section 18.03: Referenced Materials	206
527 CMR 19.00: TENTAGE	207
Section 19.01: Definitions	207
Section 19.02: Scope	207
Section 19.03: General Requirements	207
Section 19.04: Referenced Publications	208

527 CMR 9.00: TANKS AND CONTAINERS

Section

- 9.01: Purpose and Scope
- 9.02: Definitions
- 9.03: Aboveground Storage Tanks Greater Than 10,000 Gallons Capacity or Tanks Storing Combustible Liquids
- 9.04: Aboveground Storage Tanks Equal to or Less Than 10,000 Gallons Capacity For Storing Class I Liquids
- 9.05: Underground Storage Tanks
- 9.06: Waste Oil Storage Tanks
- 9.07: General Provisions
- 9.08: Referenced Publications

9.01: Purpose and Scope

(1) 527 CMR 9.00 shall apply to the design, construction, installation, testing, and maintenance of tanks and containers. The intent is to protect the public safety and welfare from the dangers of fire and/or explosion due to tank or container leakage of flammable and combustible liquids.

(2) Aboveground tanks of more than 10,000 gallons capacity for the storage of any fluid other than water shall be regulated by 527 CMR 9.00 and by 502 CMR 5.00: *Permit Requirements And Annual Inspection Of Aboveground Storage Tanks Or Containers Of More Than Ten Thousand Gallons' Capacity* for the purpose of protecting the public safety and welfare from the dangers of tank failure, rupture, or leakage. In the event of a conflict between 527 CMR 9.00 or any other requirement in 527 CMR or 502 CMR 5.00 or 780 CMR (The State Building Code), the more stringent of the aforementioned regulations shall apply.

(3) 527 CMR 9.00 shall apply to the design, construction, installation, testing and maintenance of tanks storing hazardous substances.

(4) Nothing in 527 CMR 9.00 shall be construed to abrogate the provisions of 780 CMR, The State Building Code, which may contain additional requirements for the design, construction, and installation of aboveground storage tanks.

9.02: Definitions

For the purposes of 527 CMR 9.00, the following terms shall have the meanings assigned to them:

Abandoned, in the case of underground storage tanks, shall mean out of service for a continuous period in excess of six months and for a period in excess of 24 months in the case of any aboveground tank of 10,000 gallons capacity or less; and in the case of aboveground storage of any fluid other than water, where a permit is required from the Marshal under provisions of M.G.L. c. 148; § 37, it shall mean out of service for a continuous period in excess of 60 months and it has been deemed to be unsafe and a threat to the public safety by the Head of the Fire Department and by the Department of Fire Services.

Aboveground Storage Tank. A horizontal or vertical tank, that is listed and intended for fixed installation, without back fill above or below grade, and is used within the scope of its approval or listing.

EXCEPTION 1: Aboveground Storage Tanks regulated by 527 CMR 9.04: *Vaults*, and 502 CMR 5.00: *Permit Requirements And Annual Inspection Of Aboveground Storage Tanks Or Containers Of More Than Ten Thousand Gallons' Capacity* need not meet double-walled tank requirements.

9.02: continued

EXCEPTION 2: Aboveground pressure vessels constructed in accordance with the requirements of the ASME, *Unfired Pressure Vessels Code* and regulated by M.G.L. c. 146 and 527 CMR 9.07(G) shall be exempt from the requirements for vaults or double-walled tanks.

Approved, approved by the State Fire Marshal.

Approved Training Program, means an operator training program meeting the requirements of 527 CMR 9.07(R).

Automatic Line Leak Detector, a device designed to detect product or pressure losses in a pressurized product line of a remote pumping system.

Board, the Board of Fire Prevention Regulations.

Cathodic Protection System, a technique which inhibits the corrosion of a tank or its components either through sacrificial or galvanic anodes or impressed current.

Class A Operator, means the individual or individuals designated by the owner or operator to have primary statutory and regulatory responsibility for the operation and maintenance of the underground storage tank system. The Class A Operator may hold more than one class of operator position.

Class B Operator, means the individual or individuals designated by the owner or operator to implement applicable regulatory requirements and implement the daily aspects of the operation, maintenance, and recordkeeping for the underground storage tank system. The Class B Operator may hold more than one class of operator position.

Class C Operator, means the individual or individuals designated by the owner or operator to have primary responsibility for responding to alarms, emergencies presented by spills or releases, and other problems associated with the operation of the underground storage tank system. The Class C Operator may hold more than one class of operator position.

Combustible Liquid, Any liquid having a flash point at or above 100°F shall be known as a Class II or Class III Liquid. Combustible liquids shall be divided into the foll

Class II: Liquids having flash points at or above 100°F. and below 140°F.

Class IIIA: Liquids having a flash point at or above 140°F. and below 200°F.

Class IIIB: Liquids having a flash point at or above 200°F.

Components, piping, pumps, and other related storing, conveyancing, and dispensing elements which, together with one or more tanks and any cathodic protection or monitoring system, constitute a storage facility.

Consumptive Use, fuel oil used exclusively for area heating and/or the heating of domestic water on the premises where stored.

Corrosion Expert, a person who, by reason of thorough knowledge of the physical sciences and the principles of engineering and mathematics acquired by a professional education and related practical experience, is qualified to engage in the practice of corrosion control on buried or submerged metal piping systems and metal tanks. Such person shall be accredited or certified as being qualified by the National Association of Corrosion Engineers (NACE) as a Cathodic Protection Specialist or Corrosion Specialist or be a Massachusetts registered professional corrosion engineer. The corrosion expert shall follow applicable NACE criteria.

DEP, The Massachusetts Department of Environmental Protection.

Department, the Department of Fire Services.

9.02: continued

Double-walled Tank, a container with two complete shells which provide both primary and secondary containment. The container shall have a continuous 360° interstitial space between the primary and secondary shell. The interstitial space shall be designed with an approved interstitial space monitor to continuously monitor this space. All double-walled tanks shall be UL-listed.

Engineer, a Massachusetts registered professional engineer.

European Suction System, an underground suction piping system which is sloped back to the tank so that the contents of the piping will drain back into the tank if the suction is released, and only one check valve is used which is located directly under the dispenser.

Existing Facility, a facility whose construction, installation, or operation began prior to the effective date of the revised edition of 527 CMR 9.00 printed and effective December 31, 1986.

Fire Resistant Tank. A tank assembly that consists of a listed aboveground storage tank and construction that provides fire resistive protection from exposure to a high intensity liquid pool fire. (See 527 CMR 9.04.)

NON-TEXT PAGE

9.07: continued

(3) The owner/operator of the underground storage tank(s) subject a delivery prohibition order shall notify the official issuing said order upon correcting the condition(s) specified in 527 CMR 9.07(O)(1)(a) through (d). The issuing official shall, within 24 hours (Saturdays, Sundays, and Holidays excepted) of notification of said corrections shall verify that the corrections have been made. If the conditions have been corrected, the official shall cause the delivery prohibition tag to be removed, and the product supplier notified.

(P) Third-party Inspections.

- (1) Prior to August 8, 2010, and at a minimum once every three years thereafter the owner/operator of every underground storage tank shall at his/her own expense cause said tank(s) and related piping to be inspected by a third-party inspector, as defined in 527 CMR 9.02.
- (2) Effective August 8, 2007, every newly installed underground storage tank and related piping shall be inspected by a third party inspector, as defined in 527 CMR 9.02, at the time installation is completed.
- (3) The Third-party inspectors shall verify that the owner/operator possess the following documents.
 - (a) A current license for the storage of flammable and combustible liquids issued by the local licensing authority under M.G.L. c. 148, § 13, if applicable; and
 - (b) A valid permit issued pursuant to 527 CMR 9.00, to maintain a new or existing underground storage tank facility; and
 - (c) A current, accurate and valid underground storage tank registration form (Form FP-290); and
 - (d) Copies of the manufacturer's operating instructions for all leak detection, tank monitoring and corrosion protection systems; and
 - (e) Current inspection/testing records for all leak detection, tank monitoring and corrosion protection systems; and
 - (f) Evidence of financial responsibility; and
 - (g) Records of any release reporting and investigation; and
 - (h) Permanent or temporary closure records.
- (4) Third-party inspectors shall conduct an inspection of the following underground storage tank system components in accordance with the equipment manufacturers inspection/testing instructions and sound industry practices:
 - (a) Appropriate and operational corrosion protection (if applicable)
 - (b) Overfill prevention in place and operational.
 - (c) Spill prevention in place and operational.
 - (d) Tank and piping release detection is appropriate, in place and operational.
 - (e) Secondary containment is in place (if applicable) and operational.
- (5) The third-party inspector shall record the results of the document verification, and the inspection on a form or in a format approved by the Marshal. This form shall be signed under the pains and penalties of perjury.
- (6) The third-party inspector shall transmit one copy of the inspection form to the Head of the Fire Department and one copy to the Marshal within 14 business days from the completion of inspection.
- (7) The Head of the Fire Department and the Marshal shall routinely conduct random inspections of facilities that have been inspected by third-party inspectors to ensure integrity of the inspection.
- (8) Nothing contained in 527 CMR 9.07(P) shall be construed to limit the authority of the Marshal, the Head of the Fire Department or their designees from conducting inspections of underground storage tank systems.
- (9) The following facilities shall be exempt from third-party inspection requirements:
 - (a) Farm or residential tanks of 1100 gallons capacity or less used for storing motor fuel for noncommercial purposes.
 - (b) Residential or commercial tanks storing or having stored heating oil (fuel oil) for consumptive use on the premises.
- (10) The Marshal may, after notice and an opportunity for a hearing, suspend or revoke the right of any third-party inspector to conduct inspections required under 527 CMR 9.07(P), if the Marshal determines that any of the following has occurred.
 - (a) An inspection was not conducted under the direct supervision of the third-party inspector submitting the inspection form.

9.07: continued

- (b) third-party inspector is an owner or operator of the underground storage tank, an employee of the owner/operator of the underground storage tank, or a person having daily on-site responsibility of the underground storage tank.
- (c) The third-party inspector submits false or misleading inspection reports.
- (d) The third-party inspector fails to conduct an inspection in accordance with manufacturers inspection and testing instructions, and accepted industry practice.
- (e) For any other reason which reasonably questions the qualifications of said inspector to continue to conduct further inspections.

(Q) Operator Training Required.

- (1) Effective August 8, 2012, no person shall own or operate an underground storage tank system ~~without designated~~ Class A, B, and C operators that have been trained and certified in accordance with an approved training program. At facilities with underground storage tank systems at which a Class A and B operator is present on site at all times that product is being added or removed from the underground storage tank system, the Class A or B operator may serve as the Class C operator.
 - (2) No later than August 8, 2012, owners or operators of then existing underground storage tank system shall submit to the Marshal for each underground storage facility owned in the state a statement signed by both the owner or operator and the designated Class A and B operators in a format approved by the Marshal identifying the designated Class A and B operators, the name of the approved training program by which they are trained, the date that they were certified by the approved training program, and the expiration date regarding their certification. For underground storage tank systems that begin operation after August 8, 2012, this information shall be submitted prior to beginning operation.
 - (3) Effective August 8, 2012, owners or operators shall post at each underground storage system, operator response guidelines meeting the requirements 527 CMR 9.07(S)(1).
 - (4) Effective August 8, 2012, owners or operators shall make readily available for inspection at each underground storage system and revise when changes occur a listing of Class C operators assigned to that underground storage tank system that includes the latest date of training, the expiration date regarding the training, and an identification of the approved training program or the name of the certified Class A or B operator that trained each Class C operator.
 - (5) After August 8, 2012, owners or operators shall revise and resubmit to the Marshal a signed statement that includes the information required in 527 CMR 9.07(1)(b) whenever there is a change in a designated Class A or B operators, a change of approved training programs, or when a designated operator has been retrained as ordered by the Marshal pursuant to 527 CMR 9.07(U), within 30-days of the change for each affected underground storage tank system.
 - (6) After August 8, 2012, newly designated Class A and B operators shall be trained in accordance with an approved training program within 30 days of being designated and newly designated Class C operators shall be trained in accordance with an approved training program or by a certified Class A or B operator before assuming the responsibilities of the Class C operator.
 - (7) Class A, B, and C operators that have been trained and certified by an approved operator training program that has since had its approval revoked pursuant to 527 CMR 9.07(T), shall remain trained and certified unless they are directed by the Marshal to retrain pursuant to 527 CMR 9.07(U), or their certification expires pursuant to the previously approved training program curriculum.
 - (8) The following facilities shall be exempt from operator training requirements.
 - (a) Farm or residential tanks of 1100 gallons capacity or less used for storing motor fuel for noncommercial purposes.
 - (b) Residential or commercial tanks storing or having stored heating oil (fuel oil) for consumptive use on the premises.
- (R) Operator Training Program Requirements. An operator training program may either be approved by the Marshal pursuant to 527 CMR 9.07(R)(1) or 527 CMR 9.07(R)(3) and 527 CMR 9.07(R)(2) to meet the requirements of 527 CMR 9.07(R).
- (1) An operator training program must be approved in writing by the Marshal. The Marshal may approve a program if after submittal of the training curriculum and instructor's qualification for review; the Marshal finds that it meets the minimum requirements:

9.07: continued

- (a) Class A operator training shall include:
 1. Familiarization with applicable state statutes and regulations as they specifically apply to underground storage tank system registration and permitting, financial responsibility documentation requirements, spill prevention, overfill prevention, release detection, corrosion protection, emergency response, product compatibility, notification requirements, release and suspected release reporting, temporary and permanent closure requirements, Class B and C operator training requirements, and drinking water protection.
 2. Certification that an appropriately administered and evaluated test demonstrating knowledge has been passed.
 3. After the initial training, at least every two years retraining or refresher training.

- (b) Class B operator training shall include:
 1. Familiarization with the implementation of applicable statutes and regulations.
 2. Familiarization with components of underground storage tank systems, material of underground storage tank system components, methods of underground storage tank system release detection and release prevention, and underground storage system spill prevention, overfill prevention, release detection, corrosion protection, emergency response, product compatibility, reporting and recordkeeping requirements, Class C operator training and requirements, and drinking water protection.
 3. Familiarization with conducting and documenting monthly maintenance inspections pursuant to 527 CMR 9.07(S)(2) and yearly maintenance inspections as applicable.
 4. Certification that an appropriately administered and evaluated test demonstrating such knowledge has been passed.
 5. After the initial training, at least every two years retraining or refresher training.

- (c) Class C operator training shall include:
 1. Familiarization with taking the appropriate action pursuant to operator response guidelines in responding to emergencies and alarms.
 2. Familiarization with the underground storage tank system layout. This shall include a physical tour of the underground storage tank system.
 3. Familiarization with reading alarm annunciation panels.
 4. Certification of understanding signed by the operator and trainer.
 5. After the initial training, at least every two years retraining or refresher training.

(2) For all Class A and Class B operator training, a third party trainer or the underground storage tank system owner or operator shall submit to the Marshal the resumes of trainers, the course syllabus which may include in-class, on-line or hands on training. Such training program shall include an evaluation of the operator's knowledge by examination. A copy of the examination shall be provided to the Marshal. Any change in trainers, or course content must be submitted to the Marshal for approval.

(3) The Marshal may approve as meeting these requirements operator training programs conducted or approved by other states.

(4) Nothing in 527 CMR 9.07(R) shall prohibit or prevent a Class A, B or C operator from training additional facility employees to assist with the Class C operator's responsibilities for responding to alarms, emergencies presented by spills or releases, and other problems associated with the operation of the underground storage tank system.

(S) Additional Operator Requirements.

(1) Written operator response guidelines shall include spill reporting procedure, contact phone numbers, malfunctioning equipment notification procedures, and initial mitigation protocol for emergencies.

(2) Monthly visual inspections meeting the following minimum requirements shall be conducted at all underground storage systems.

- (a) Inspection shall be conducted by or under the direction of the Class A or B operator.
- (b) The results of each inspection shall be recorded in a monthly inspection report and be readily available for inspection for a period of no less than three years.
- (c) The following items shall be inspected and shall be reported on the inspection report as no defect, defect, and how any defect was resolved:

9.07: continued

1. Product shear valve properly anchored.
 2. Verify the presence each pressure/vacuum vent cap and if the cap is missing, replace the cap.
 3. Inspect each spill bucket for the presence of oil, water, or debris, remove and dispose of any motor fuel, water, or debris in accordance with the applicable federal, state, and local requirements, and repair each spill bucket as necessary.
 4. Inventory conducted daily, reconciled monthly.
 5. Verify that Underground storage tank sumps have been inspected at least semi-annually and that sump sensors are set below the lowest sidewall penetration within each sump.
 6. Inspect each motor fuel dispenser hose for tears, leaks, holes, kinks, crimps or defects of any kind and replace as necessary.
 7. Inspect each motor fuel dispenser nozzle for leaks, obstruction of vapor recovery holes, or defects of any kind and replace as necessary.
 8. Inspect each motor fuel dispenser cabinet interior and dispenser sump for leaking components and the presence of motor fuel, water or debris, remove and dispose of any motor fuel, water or debris in accordance with all applicable federal, state, and local requirements, and repair each component as necessary.
 9. Verify that grade level fill covers are tight fitting and properly color-coded.
 10. Inspect each automatic tank gauge detector panel for proper operation of product monitoring and leak detection systems and repair or replace components as necessary.
 11. Deficiencies discovered during the monthly visual inspection shall be repaired or otherwise corrected within 30 days.
 12. The Class B operator shall ensure that the underground storage tank system that will store or dispense product is compatible with the product that will be stored or dispensed.
- (3) Delegation of the responsibilities of this section to designated Class A, B, or C operators shall not relieve the owner or operator from liability for non-compliance with the requirements of 527 CMR 9.07(S).

(T) Revocation of Operator Training Program Approval.

- (1) If the Marshal determines, after notice and hearing, that an approved operator training program has proven insufficient to adequately train operators as evidenced by inadequately trained operators, significant operational compliance issues or inability to document that training has been provided, then the Marshal shall revoke the approval of the operator training program.
- (2) An operator training program may be re-approved if it is demonstrated that all operator training program defects have been corrected and if a revised curriculum and instructor's qualification is submitted to the Marshal and meets the requirements.
- (3) An approved operator training program may withdraw as an approved operator training program by making such a request in writing to the Marshal.

(U) Repeating Operator Training.

- (1) If the Marshal determines that an underground storage tank system is not in significant operational compliance with the operator training requirements of 527 CMR 9.00. The Marshal shall order the responsible Class A or B operator to be retrained and recertified in accordance with an approved training program within 30 days or within such other time as the Marshal specifies.

9.08: Referenced Publications

Documents or portions thereof that are referenced within 527 CMR 9.00 shall be considered a part of the requirements of 527 CMR 9.00. Refer to 527 CMR 49.00 for a complete listing of all documents referenced in 527 CMR.

REGULATORY AUTHORITY

527 CMR 9.00: M.G.L. c. 22, § 14; c. 22D, § 4; c. 148, §§ 9, 10, 13, 28, 37, 38 and 38E.



THE COMMONWEALTH OF MASSACHUSETTS

William Francis Galvin
Secretary of the Commonwealth**Regulation Filing** *To be completed by filing agency*CHAPTER NUMBER: 527 CMR 11.00CHAPTER TITLE: Commercial Cooking OperationsAGENCY: Board of Fire Prevention RegulationsSUMMARY OF REGULATION: *State the general requirements and purposes of this regulation.*

This regulation establishes new and revised requirements which provide minimum safety requirements (preventative and operative) relative to the design, installation, operation (existing) and cleaning, inspection, maintenance of all commercial cooking operations.

REGULATORY AUTHORITY: M.G.L. c. 22D, s.4; c. 148, s.9, 10, 28AGENCY CONTACT: Attorney Peter A. Senopoulos PHONE: 978-567-3182ADDRESS: Bd. of Fire Prevention Regulations, P.O. Box 1025, State Rd., Stow, Ma. 01775**Compliance with M.G.L. c. 30A**EMERGENCY ADOPTION - *if this regulation is adopted as an emergency, state the nature of the emergency.*

Not Applicable

PRIOR NOTIFICATION AND/OR APPROVAL - *If prior notification to and/or approval of the Governor, Legislature or others was required, list each notification, and/or approval and date, including notice to the Local Government Advisory Commission.*

Executive Order 145 Notice: 4-28-09

Executive Order 485 Approval: 4-24-09

Executive Order 440 (BCCC) approval: 3-19-09

PUBLIC REVIEW - *M.G.L. c. 30A sections 2 and/or 3 requires notice of the hearing or comment period be filed with the Secretary of the Commonwealth, published in appropriate newspapers, and sent to persons to whom specific notice must be given at least 21 days prior to such hearing or comment period.*Date of public hearing or comment period: June 4, 2009

FISCAL EFFECT - *Estimate the fiscal effect of the public and private sectors.*

For the first and second year: \$60.00 certification fee (also see below)

For the first five years: \$30.00 renewal of certification fee (every 3 years)

No fiscal effect: _____

SMALL BUSINESS IMPACT - *State the impact of this regulation on small business. Include a description of reporting, record keeping and other compliance requirements as well as the appropriateness of performance versus design standards and whether this regulation duplicates or conflicts with any other regulation. If the purpose of this regulation is to set rates for the state, this section does not apply.*

See attached document

CODE OF MASSACHUSETTS REGULATIONS INDEX -
Commercial Kitchen Operations
Cleaning and Inspection of commercial kitchen operations

List key subjects that are relevant to this regulation:

PROMULGATION - *State the action taken by this regulation and its effect on existing provisions of the Code of Massachusetts Regulations (CMR) or repeal, replace or amend. List by CMR number:*

Amends 527 CMR 11.00

ATTESTATION - *The regulation described herein and attached hereto is a true copy of the regulation adopted by this agency.*

ATTEST:

SIGNATURE:

Peter A. Sanguin

DATE:

6-10-09

Publication - *To be completed by the Regulations Division*

MASSACHUSETTS REGISTER NUMBER:

1133

DATE:

6/26/09

EFFECTIVE DATE:

6/26/09

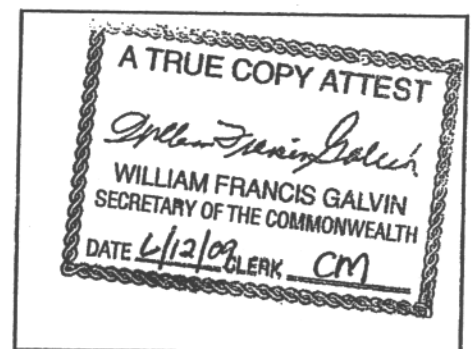
CODE OF MASSACHUSETTS REGULATIONS

Remove these pages:

Insert these pages:

135, 136

135-136.2



FISCAL EFFECT - *Estimate the fiscal effect of the public and private sectors.*

For the first and second year: \$60.00 certification fee (also see below)

For the first five years: \$30.00 renewal of certification fee (every 3 years)

No fiscal effect: _____

SMALL BUSINESS IMPACT - *State the impact of this regulation on small business. Include a description of reporting, record keeping and other compliance requirements as well as the appropriateness of performance versus design standards and whether this regulation duplicates or conflicts with any other regulation. If the purpose of this regulation is to set rates for the state, this section does not apply.*

See attached document

CODE OF MASSACHUSETTS REGULATIONS INDEX -
Commercial Kitchen Operations

List key subjects that are relevant to this regulation:

Cleaning and Inspection of commercial kitchen operations

PROMULGATION - *State the action taken by this regulation and its effect on existing provisions of the Code of Massachusetts Regulations (CMR) or repeal, replace or amend. List by CMR number:*

Amends 527 CMR 11.00

ATTESTATION - *The regulation described herein and attached hereto is a true copy of the regulation adopted by this agency.*

ATTEST:

SIGNATURE:

John A. Sanguin

DATE:

6-10-09

Publication - *To be completed by the Regulations Division*

MASSACHUSETTS REGISTER NUMBER:

1133

DATE:

6/26/09

EFFECTIVE DATE:

6/26/09

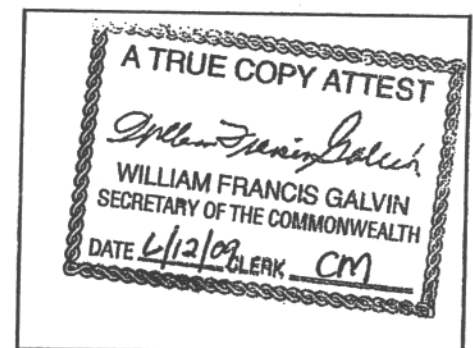
CODE OF MASSACHUSETTS REGULATIONS

Remove these pages:

Insert these pages:

135, 136

135-136.2



Small Business Impact Statement

Person engaged in the activity of cleaning and/or inspecting commercial cooking operations must now be tested and certified by the Marshal. It is anticipated that the fee for such certification will be \$60.00 (renewed every 3 years at a cost of \$30.00). There are also costs associated with scheduled cleaning and inspection requirements relating to grease buildup, which have been required under existing regulation and past industry practice.

Additionally, the regulation requires the retention of enhanced documentation which confirms that proper cleaning and inspection has taken place.

It is anticipated that the above described costs will be incurred by businesses engaged in such cooking activity and by those engaged in the business of cleaning and inspecting the commercial cooking operations.

527 CMR 11.00: COMMERCIAL COOKING OPERATIONS

Section

- 11.01: Purpose and Scope
- 11.02: Adoption by Reference
- 11.03: Modifications of Provisions of NFPA 96
- 11.04: Issuance of Certificates of Competency to Conduct Inspections and Cleaning of Commercial Cooking Operations

11.01: Scope and Purpose

The scope of 527 CMR 11.00 is to establish minimum fire safety requirements (preventive and operative) relating to the design, installation, operation, inspection, cleaning and maintenance of all public and private commercial cooking operations. 527 CMR 11.00 shall not apply to:

- (1) cooking equipment located in a single dwelling unit; and
 - (2) the construction standards for newly constructed or substantially modified Commercial Cooking Operations built in accordance with the provisions of 780 CMR, *The State Building Code*, 7th Edition.
- The purpose of 527 CMR 11.00 is to:
- (a) reduce the potential fire hazards associated with commercial cooking operations in public or private facilities; and
 - (b) to establish a minimum acceptable level of competency for those individuals who are engaged in the activity of inspecting and cleaning all commercial cooking operations.

11.02: Adoption by Reference

For the requirements of 527 CMR 11.00, the provisions of NFPA No. 96, *Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations*, 2008 Edition, are hereby incorporated by reference, as modified by 527 CMR 11.03

11.03: Modification of Provisions of NFPA 96

For the purpose of 527 CMR 11.00, the provisions of NFPA 96 shall be modified as follows:

(1) Chapter 3 Definitions.

3.2.2 The definition of Authority Having Jurisdiction shall be revised to read as follows:

Authority Having Jurisdiction. The head of the fire department.

3.2.4.1 Add the following definition: Marshal, the State Fire Marshal.

3.3.9 The definition of Certified shall be revised to read as follows:

Certified. A person who has been deemed by the Marshal to be qualified to inspect and clean commercial kitchen operations and has been issued a Certificate of Competency under 527 CMR 11.00.

3.3.38 The definition of Qualified shall be revised by adding the following sentence:

With respect to the inspection of exhaust systems pursuant to section 11.3 and the cleaning of grease buildup related thereto, the word Qualified shall mean a person who holds a Certificate of Competency issued by the Marshal under of 527 CMR 11.00.

(2) Section 11.4 Inspection for Grease Buildup.

Section 11.4 shall be revised to read as follows: The entire exhaust system shall be inspected for grease buildup by a certified person in accordance with the schedule set forth in Table 11.4.

11.03: continued

Table 11.4: Schedule of Inspection for Grease Buildup.

Type or Volume of Cooking Frequency	Frequency
Systems serving solid fuel cooking	Monthly
Systems serving high-volume cooking operations, such as 24-hour cooking, charbroiling, or wok cooking	Quarterly
Systems serving moderate-volume cooking operations	Semiannually
Systems serving low-volume cooking operations, such as churches, day camps, seasonal businesses, or senior centers	Annually

Add the following subsection after the provisions of Section 11.4:

11.4.1 If the head of the fire department determines that the exhaust system of such operation has not been inspected pursuant to Section 11.4 for grease buildup within the past 12 month period, the head of the fire department shall issue an order to cease such operation pending such inspection. Section 11.4.1 shall not limit the ability of the head of the fire department to issue such other reasonable orders relating to compliance with 527 CMR 11.00.

(3) Section 11.6 Cleaning of Exhaust Systems. Add the following language after the provisions of Section 11.6.1:

11.6.1.1 The word Acceptable shall mean a person who holds a Certificate of Competency issued by the Marshal.

11.6.1.2 The owner or operator of the Commercial Cooking Operation, or employee thereof, shall not be prohibited from conducting the actual cleaning and grease removal of hoods, grease removal devices, fans, ducts and other appurtenances of his or her own Commercial Cooking Operations, as long as said owner, operator, or employee holds a "restricted" Certificate of Competency issued by the Marshal. However, this provision does not allow such owner, operator, or employee to conduct such cleaning services for any other commercial kitchen operation.

11.6.1.3 A qualified individual who will be offering or conducting cleaning or inspection services shall hold a Certificate of Competency issued by the Marshal.

Add the following language to Section 11.6.13: The content, size, design and placement of any label shall be prescribed by the Marshal.

Add the following language after the provisions of Section 11.6.14:

11.6.14.1 If a qualified individual determines that a Commercial Cooking System, after cleaning or inspection thereof, is not in compliance with 527 CMR 11.00, relative to grease buildup and related contaminants, said individual shall, within 48 hours notify, in writing on a form prescribed by the Marshal, the authority having jurisdiction of the location of said system and the nature of such non-compliance. A copy of said form shall also be given to the owner and operator of the system.

11.03: continued

11.6.14.2 A record of each inspection for grease and related contaminants and each cleaning activity relating to grease buildup shall be produced by the qualified person who conducted said inspection or cleaning. Said record shall include: the date of inspection, location, the Certificate of Competency number of the inspector or cleaner, and such other information as determined by the Marshal. A copy of such record shall be maintained by (1) the operator within the building or structure where the system is located and (2) the qualified person who conducted said inspection or cleaning activity. Such records shall be open to the inspection of the authority having jurisdiction during regular hours of operation and shall be maintained for a period of at least three years.

11.04: Issuance of Certificates of Competency to Conduct Inspections and Cleaning of Commercial Cooking Activities

NFPA 96 2008 Edition is hereby amended by adding after Section 11.7.2, the following new sections:

11.8.1 Effective January 1, 2010, each person engaged in the cleaning or inspecting of Commercial Cooking Operations in the Commonwealth, must possess a valid Certificate of Competency issued by the Marshal.

11.8.2 The Marshal shall establish qualifications relating to the issuance of the following types of Certificates of Competency:

- (a) Type 1. To those individuals who conduct cleaning or inspection activities for the general public;
- (b) Type 2. "Restricted", to those individuals who actually conduct cleaning activities for commercial cooking operations that they own or operate or their employer owns or operates.

11.8.3 A written application for a Certificate of Competency, in such form as may be prescribed by the Marshal, shall be submitted to the Marshal Together with the Established Fee

11.8.3.1 Any applicant who will be offering cleaning or inspection services to the general public shall provide acceptable written documentation to the Marshal that said individual has actually engaged in the activity of cleaning or inspection of Commercial Cooking operations for the general public for a period of time of at least 500 hours within the past six months. If the individual is employed by another person, said statement shall be made by the employer. The statement shall be in writing on company letterhead. The Marshal may develop forms for the purposes of confirming the 500 hours of experience.

11.8.4 Every applicant for a Certificate of Competency shall, as a condition to receiving such certificate, be at least 18 years of age and shall successfully pass a written examination administered by the Marshal or the Marshal's designee or such other examinations, or portions thereof, acceptable to the Marshal. Such examination shall determine the applicant's ability, knowledge, and skill in relation to the type of certification sought. Such examinations shall be held at such times and at such locations as the Marshal or the Marshal's designee may determine. The Marshal may allow an applicant to submit test results from an examination given by a third party certification entity, taken within two years of the date of application, if the Marshal determines that said test measures the applicant's ability, knowledge and skill level in a manner equivalent to or greater than the test administered by the Marshal or the Marshal's designee.

11.8.5 The Certificate of Competency shall contain the following information and such other information as the Marshal may prescribe:

- (a) Name and address of applicant
- (b) Certificate number, MA-CC-(number)
- (c) Type of certificate, including restrictions if applicable
- (d) Date of birth
- (e) Photograph (supplied by applicant)
- (f) Date of expiration

11.03: continued

11.8.6 The holder of a Certificate shall notify the Marshal of any change of address, in writing, within 14 days of such change.

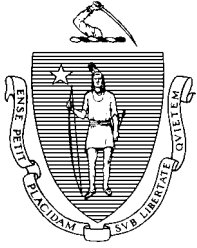
11.8.7 Every person holding a valid Certificate of Competency shall carry said certificate on his/her person at all times while conducting cleaning or inspection activities and shall, upon demand of the Marshal or the head of the fire department or their designees, produce said Certificate.

11.8.8 Suspension or Revocation of Certificate of Competency: Upon receiving a written complaint, supported by reasonably complete and accurate information from a head of the fire department or from the Office of the State Fire Marshal, the Marshal may, after notice and the opportunity for a hearing, suspend or revoke any Certificate of Competency issued pursuant to 527 CMR 11.00, based upon reasonable cause to believe that the continued activity of inspection or cleaning by the holder of said certificate would constitute a threat to public safety.

11.8.9 Renewal of Certificates; Fees: All Certificates shall be valid throughout the Commonwealth for a period of three years. Said certification may be renewed upon submission of an application for renewal as prescribed by the Marshal, accompanied by the appropriate fee. The applicant shall provide sufficient evidence of completion of any required course of continuing education study that may be required by the Marshal.

REGULATORY AUTHORITY

527 CMR 9.00: M.G.L. c. 148, §§ 9, 10 and 28.



DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LT. GOVERNOR

KEVIN M. BURKE
SECRETARY

The Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Department of Fire Services

P.O. Box 1025 ~ State Road

Stow, Massachusetts 01775

(978) 567~3100 Fax: (978) 567~3121



STEPHEN D. COAN
STATE FIRE MARSHAL

THOMAS P. LEONARD
DEPUTY STATE FIRE MARSHAL

MEMORANDUM

TO: Heads of Fire Departments

FROM: Stephen D. Coan
State Fire Marshal

DATE: August 1, 2009

SUBJECT: Reporting of School Fires

“An Act Relative to the Reporting of Fires in Schools” was signed into law by Governor Romney on May 12, 2006. The law (Chapter 80 of the Acts of 2006) became effective on August 10, 2006. I am re-issuing this information for your use as we approach the new school year.

This law requires that the principal of any public or private school of grades 1-12 shall file a written report to the local fire department within 24 hours of any incident of unauthorized ignition of any fire within the school building, or on its grounds. The principal must file this report whether or not the fire department responded. The fire department shall report the incident to the Marshal pursuant to Chapter 148 § 2 (MFIRS).

The law was created to mandate that schools report fires that may have previously gone unreported. The effect will be greater protection of our children and the ability to identify possible juvenile fire setters to provide appropriate early intervention.

I have included the form with this advisory. In addition, I have included an informational flyer that can be used to highlight fire code regulations and a multi-page document of specific regulations governing schools. I would encourage discussions with your schools prior to the start of the school year.

If you have any questions please contact our Public Education Unit at 978-567-3380 or Code Compliance and Enforcement Unit at 978-567-3375 or in Western MA 413-587-3181.

SDC/bhs

Mandatory Report of Any School Fires

M.G.L. C 148. s. 2A

M.G.L. C 148, Section 2A. "The principal of any **public or private school** that provides instruction to pupils in any of grades 1 to 12, inclusive, shall **immediately** report any incident involving the unauthorized ignition of any fire within the school building or on school grounds to the local fire department. The principal shall submit a written report of the incident to the head of the fire department within 24 hours on a form furnished by the department of fire services. The report shall be filed without regard to the extent of the fire or whether there was a response by the fire department. The head of the fire department shall report such incident to the marshal in accordance with section 2."

This form is part of the mandatory reporting requirement under M.G.L. Chapter 71, Section 37L.

Remember to call 9-1-1 for any fire not already extinguished upon discovery.

For Fire Department use

Report received by: _____

Date: _____

Date: _____

Name of School: _____

Name of School District: _____

City/Town: _____

Name of Reporting Person: _____

(principal or designee)

Signature of Reporting Person: _____

Telephone # of Reporting Person: _____

Date & Time of Fire (if known): _____

Date & Time Fire Discovered: _____

(if different than when it occurred)

Who Discovered the Fire?: _____

(Name and Function: teacher, administrator, custodian, or student)

Location of Fire: ☐ Inside ☐ Outside

More Specific Location: _____

(e.g. floor and function such as "in a trash container in the 2nd floor boys' lavatory")

SCHOOL REGULATIONS

The following regulations from 527 CMR apply to schools:

10.09: Schools

All schools shall conform to the following fire drill regulations:

(1) The responsible school official in charge of the school or the school system shall formulate a plan for the protection and evacuation of all persons in the event of fire, and shall include alternate means of egress for all persons involved; such plan shall be presented to and approved by the head of the fire department.

(2) The headmaster or person in charge of each school shall see that each class instructor or supervisor shall receive proper instructions on the fire drill procedure specified for the room or area in which that person carries out his duties before he assumes such duties.

(3) Every student in all schools shall be advised of the fire drill procedure or shall take part in a fire drill within three days after entering such school.

(4) The head of the fire department, or person designated by him, shall visit each school at least four times each year for the purpose of conducting fire drills and questioning the teachers and supervisors. These drills shall be conducted without advance warning to the school personnel other than the person in charge of the school at the time.

(a) Records. A record of all fire exit drills shall be kept on the premises and persons in charge of such occupancies shall file written reports at least twice a year with the head of the fire department giving the following information:

1. Time of drill.
2. Date of drill.
3. Weather conditions when occupants were evacuated.
4. Number of occupants evacuated.
5. Total time for evacuation.
6. Other information relevant to the drill.

(b) Evacuation. Fire exit drills shall include complete evacuation of all persons from the building.

5) Paper materials displayed in Educational Use Occupancies, as defined in 780 CMR: *The Massachusetts State Building Code*, shall be permitted on walls only in accordance with 527 CMR 10.09 (5).

(a) Classrooms. Paper materials displayed shall not exceed 20% of the total wall area. Paper materials displayed shall be attached directly to the walls and shall not be permitted to cover an egress door or be placed

within five feet of an egress door. When determining wall areas in accordance with 527 CMR 10.09(5)(a), door and window openings shall be included.

Exception 1: Paper material displayed in fully enclosed viewing cabinets with glass or polycarbonate viewing panels or covered with glass or polycarbonate sheet material. (Thermoplastic materials such as *Plexiglas*[®] are not acceptable.)

Exception 2: Flame retardant paper material used for display.

Exception 3: Paper material displays may cover up to 50% of the total wall area in classrooms that are fully sprinklered in accordance with 780 CMR: *The Massachusetts State Building Code*.

(b) Exit access passageways, assembly areas and corridors. Paper materials displayed shall not exceed 10% of the surface area of any wall. Such paper material shall be positioned in such manner to avoid concentration of materials to reduce flame spread in the event of a fire. In no event shall any one grouping exceed a maximum horizontal measurement of 12 ft and a maximum vertical measurement of 6 ft.. Groups of paper material shall be allowed as long as there is space between each group equal to the horizontal width of the largest adjacent group. Paper material used for display shall be attached directly to the walls and shall not be permitted to cover an egress door or be placed within five feet of an egress door.

Exception 1: Paper material displayed in fully enclosed viewing cabinets with glass or polycarbonate viewing panels or covered with glass or polycarbonate sheet material. (Thermoplastic materials such as *Plexiglas*[®] are not acceptable.)

Exception 2: Flame retardant paper material used for display.

Exception 3: Paper materials displayed shall not exceed 50% of the surface area of any wall in buildings equipped with automatic sprinklers in accordance with 780 CMR: *The Massachusetts State Building Code*. Such paper material shall be positioned in such manner to avoid concentration of materials to reduce flame spread in the event of a fire. In no event shall any one grouping exceed a maximum horizontal measurement of 12 ft and a maximum vertical measurement of 6 ft. Groups of paper material shall be allowed as long as there is space between each group equal to at least ½ the horizontal width of the largest adjacent group. Paper materials displayed shall be attached directly to the walls and shall not be permitted to cover an egress door or be placed within five feet of an egress door.

(c) Exits and enclosed exit stairs. Displayed paper materials shall not be permitted in exits and enclosed exit stairs.

(d) The provisions of 527 CMR 10.09(5) shall not prohibit the posting of exit signage or evacuation plans established in accordance with 527 CMR 10.09(1).

(e) The provisions of 527 CMR 10.09(5) shall not be applicable to any election materials required by law to be posted during any local, state or federal election.

10.17: Places of Assembly

(1) General.

(a) Scope. The decoration, operation or use of places of assembly and education shall comply with the applicable requirements of 527 CMR 10.00 and 21.00 and 780 CMR.

(b) Permit required. A place of assembly or one for educational use shall not be maintained, operated or used as such without a Certificate of Inspection from the building code official.

(c) Posting of occupant load. Each place of assembly or education shall be posted with an approved legible sign in contrasting colors conspicuously located near the main exit from the room or space stating the number of occupants permitted within such space. The number of occupants permitted shall be determined by 780 CMR. Assembly rooms or spaces which have multiple use capability shall be posted for all such uses. The owner shall be responsible for installing and maintaining such signs.

(d) Overcrowding. No person shall permit overcrowding or admittance of any person beyond the established posted occupant load of any place of assembly or education. The head of the fire department, upon finding overcrowded conditions or obstruction in aisles, passageways or other means of egress, or finding any condition which constitutes a hazard to life and safety shall cause the performance, presentation, spectacle or entertainment to be stopped until the area posted occupant load is re-established or the obstruction or hazardous condition is removed.

(2) Decorative Material. Decorative materials shall conform to 527 CMR 21.00 and 780 CMR.

(3) Motion Picture Screens. In places of assembly or education, a motion picture screen or screen masking shall not be used which will ignite and allow flame to spread over the surface when exposed to the test method test described in 527 CMR 21.00.

(4) Means of Egress.

(a) General. The operator or the person in charge of operation or use of any place of assembly or education shall check egress facilities before such building is occupied for any use, to determine compliance with the provisions of 527 CMR 10.17. If such inspection reveals that any element of the required means of egress is obstructed, inaccessible, locked, fastened or otherwise unsuited for immediate use, admittance to the building shall not be permitted until necessary corrective action has been completed.

(b) Doors. An egress door shall not be locked, bolted or otherwise fastened or obstructed by any means, so that the door cannot be opened from the inside by the use of the ordinary door latch or knob or by pressure on the door or on a panic release device except as provided in 780 CMR.

(c) Aisles. In each room where chairs, or tables and chairs, are used the arrangement shall be such as to provide for ready access by aisles to each egress door. Aisles leading directly to an egress door shall have not less than 44" clear width. When serving an occupant load of 50 or less, such required clear width shall not be less than 36". Aisles shall not be obstructed by chairs, tables or other objects.

(d) Obstructions. A part of a stairway, whether interior or exterior, or of a hallway, corridor, vestibule, balcony or bridge leading to a stairway or exit shall not be used in any way that will obstruct or restrict its use as a means of egress or that will present a hazardous condition.

(e) Signs and lighting. The signs and lighting of means of egress required for places of assembly or education shall be maintained in proper operating condition and be installed in accordance with 780 CMR.

(5) Projection Rooms.

(a) Refer to 780 CMR.

(b) Miscellaneous equipment: A maximum of four flammable liquid containers that do not have a capacity greater than 16 ounces and are of a nonbreakable type shall be permitted in each projection room.

10.02: Fire Extinguishers

(1) Any building or other premises, which, due to its location, construction, character or occupancy, or the manner of conducting business therein or thereupon is such that it is considered necessary by the head of the fire department, shall be provided with portable fire extinguishers installed and maintained in accordance with NFPA 10.

(2) Every school, college and university laboratory newly constructed or renovated, or any room used for similar purposes wherein corrosives or flammable liquids are handled or where open flame devices are used, shall be equipped with one or more Emergency Wash Systems. Emergency Wash Systems shall include Drench/Deluge Showers, Hand Held Body/Face Washers and Deck Mounted Drench Hoses. The permanently mounted showers shall be located as close to the main door of the laboratory as possible (to provide an escape route), but should not be located greater than 50' from an experimental area. The permanently mounted showers shall be capable of discharging a continuous spray at a rate of 30 gallons per minute. Emergency Wash Systems shall be tempered to between 70° and 90°F. Cold

potable water shall be permitted in those locations where tempered water is not accessible or as permitted by the head of the fire department.

The Drench/Deluge Showers, Hand Held Body/Face Washers and Deck Mounted Drench Hoses shall be installed in accordance with ANSI Z-358.1 and 248 CMR.

Each existing laboratory not equipped with an Emergency Wash System shall be equipped with at least one approved Fire Blanket, and a sign that reads:

"In Case of Clothing Fire
STOP, DROP and ROLL"

The location of the Emergency Wash System Stations, and Fire Blankets shall be clearly indicated by signs of contrasting color, either RED and WHITE or GREEN and WHITE. The signs shall be at least 70 square inches in area bearing the words "EMERGENCY WASH STATION", or "SAFETY SHOWER" or "FIRE BLANKET".

Every wash station shall be tested by the owner of the building or his designee twice annually (every six months) for proper flow and operation. The owner shall upon request, provide the fire department with the test result, (including but not limited to): date of test, station operation, system malfunctions, and the name of the person performing the test.

Each student shall be advised of the location and proper use of the above emergency safety equipment by the teacher, instructor, or person in charge of the class before the first experiment is conducted.

Each student shall also be instructed in the proper procedure for the extinguishment of clothing fires at least twice during the course, as directed by the head of the fire department. The installation and operation of each safety device noted above shall be in order before the commencement of any class conducting laboratory experiments.

10.07: Smoking

(3) Smoking shall be prohibited in schools, colleges, universities, public buildings and institutions except that smoking shall be permitted in designated areas. Such areas shall be approved by the head of the fire department. Such room or area shall be of a size suitable to accommodate the number of smokers requiring such facility.

10.03: General Provisions

(10) Fire Lanes.

(a) Designation. The head of the fire department shall require and designate public or private fire lanes as deemed necessary for the efficient and effective use of fire apparatus. Fire lanes shall have a minimum width of 18'.

(b) Obstructions. Designated fire lanes shall be maintained free of obstructions and vehicles and marked in an approved manner.

- (b) Maintenance. All designated fire lane signs or markings shall be maintained in a clean and legible condition at all times and replaced when necessary to insure adequate visibility.

(13) Hazards to Means of Egress.

- (a) Obstructions. No person shall at any time place an encumbrance of any kind before or upon any fire escape, balcony or ladder intended as a means of escape from fire. The means of egress from each part of the building, including stairways, egress doors, and any panic hardware installed thereon, aisles, corridors, passageways and similar elements of the means of egress, shall at all times be maintained in a safe condition and shall be available for immediate use and free of all obstructions.

527 CMR 21.00: DECORATIONS, CURTAINS, DRAPERIES, BLINDS AND OTHER WINDOW TREATMENTS

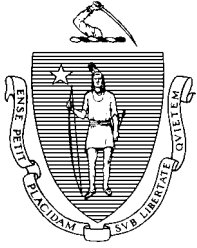
21.02: General Requirements

- (1) Materials regulated by 527 CMR 21.00 shall not be purchased, leased or rented for use in a particular occupancy unless the intended user has been provided with certification from an approved fire test laboratory that the regulated material conforms with the applicable provisions of 527 CMR 21.00.

527 CMR 29.00: UPHOLSTERED FURNITURE, MOLDED SEATING AND RE-UPHOLSTERED FURNITURE

29.02: General Requirements

- 2) Regulated seating shall not be purchased, leased or rented for use in a particular occupancy unless the intended user is provided with written notice from the manufacturer, supplier, vendor, distributor or an approved testing agency that the regulated seating conforms to 527 CMR 29.00.



DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LT. GOVERNOR

KEVIN M. BURKE
SECRETARY

The Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Department of Fire Services

P.O. Box 1025 ~ State Road

Stow, Massachusetts 01775

(978) 567~3100 Fax: (978) 567~3121



STEPHEN D. COAN
STATE FIRE MARSHAL

THOMAS P. LEONARD
DEPUTY STATE FIRE MARSHAL

MEMORANDUM

TO: Heads of Fire Department

FROM: Stephen D. Coan
State Fire Marshal

DATE: August 1, 2009

SUBJECT: Code Compliance & Enforcement Unit Notification

I would like to request that you notify the Code Compliance and Enforcement Unit in the event that any of the following incidents occur in your community:

- Any incident involving the theft of any material regulated under the provisions of 527 CMR 2 (fireworks), or 527 CMR 13 (explosives).
- Any incident involving personal injury or property damage resulting from the storage, transportation, or use of any material regulated under 527 CMR 2 (fireworks), or 527 CMR 13 (explosives).
- Fires involving equipment, facilities, or portions thereof protected by a suppression system, regulated by 527 CMR 23, which system failed to operate and/or suppress the fire. (Examples: kitchen hood systems, self serve gas stations, etc.)

This office licenses and regulates all of the industries listed above and needs to review these incidents for compliance with the appropriate statutes and codes.

During normal business hours request for assistance can be made to (978) 567-3375. After hours requests for CCEU assistance can be made thorough MEMA at 508-820-2000.

SDC/bhs

Administrative Services • Hazardous Materials Response
Massachusetts Firefighting Academy • Office of the State Fire Marshal



DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LT. GOVERNOR

KEVIN M. BURKE
SECRETARY

The Commonwealth of Massachusetts
Executive Office of Public Safety and Security
Department of Fire Services

P.O. Box 1025 ~ State Road

Stow, Massachusetts 01775

(978) 567~3100 Fax: (978) 567~3121



STEPHEN D. COAN
STATE FIRE MARSHAL

THOMAS P. LEONARD
DEPUTY STATE FIRE MARSHAL

MEMORANDUM

TO: Heads of Fire Department

FROM: Stephen D. Coan
State Fire Marshal

DATE: August 1, 2009

SUBJECT: Voluntary Recall of Smoke Alarms by Kidde

Included in this advisory is information on a voluntary recall notice from the Consumer Product Safety Commission regarding the Kidde Model PI2000 Dual Sensor Smoke Alarms.

If you have any further questions please contact the Code Compliance and Enforcement Unit at 978-567-3375 or in Western MA at 413-587-3181.

SDC/bhs

NEWS from CPSC

U.S. Consumer Product Safety Commission

Office of Information and Public Affairs

Washington, DC 20207

FOR IMMEDIATE RELEASE

July 9, 2009

Release # 09-266

Firm's Recall Hotline: (877) 524-2086

CPSC Recall Hotline: (800) 638-2772

CPSC Media Contact: (301) 504-7908

Kidde Recalls Dual Sensor Smoke Alarms; Can Fail to Warn of a Fire

WASHINGTON, D.C. - The U.S. Consumer Product Safety Commission, in cooperation with the firm named below, today announced a voluntary recall of the following consumer product. Consumers should stop using recalled products immediately unless otherwise instructed.

Name of Product: Kidde Model PI2000 Dual Sensor Smoke Alarms

Units: About 94,000

Manufacturer: Walter Kidde Portable Equipment Inc., of Mebane, N.C.

Hazard: An electrostatic discharge can damage the unit, causing it not to warn consumers of a fire.

Incidents/Injuries: The firm has received two reported incidents of smoke alarm malfunctions involving electrostatic discharge during installation. No injuries have been reported.

Description: This recall involves Kidde dual sensor smoke alarms model PI2000. The alarms can be identified by two buttons, "HUSH" and "PUSH AND HOLD TO TEST WEEKLY," which are located on the front/center of the alarm. The model number and date code are on the back of the smoke alarm. Only date codes 2008 Aug.01 through 2009 May 04 are included in this recall.

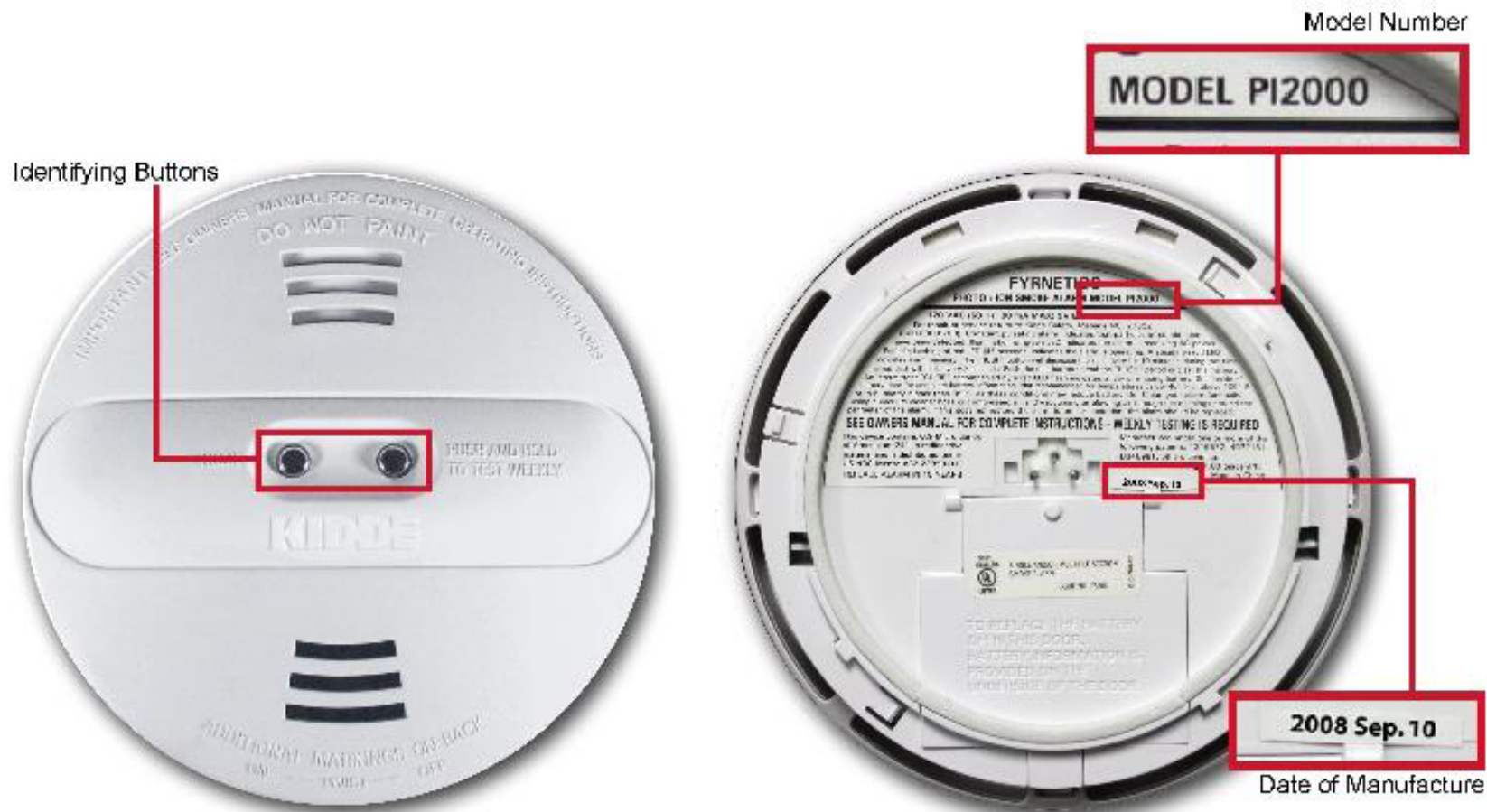
Sold at: Retail, department, and hardware stores and through electrical distributors nationwide from August 2008 through May 2009 for between \$30 and \$40.

Manufactured in: China

Remedy: Consumers should contact Kidde immediately to receive a free replacement smoke alarm.

Consumer Contact: For additional information, contact Kidde toll-free at (877) 524-2086 between 8 a.m. and 5 p.m. ET Monday through Friday, or visit the firm's Web site at

www.kidde.com



CPSC is still interested in receiving incident or injury reports that are either directly related to this product recall or involve a different hazard with the same product. Please tell us about it by visiting <https://www.cpsc.gov/cgibin/incident.aspx>

[Send the link for this page to a friend!](#) The U.S. Consumer Product Safety Commission is charged with protecting the public from unreasonable risks of serious injury or death from thousands of types of consumer products under the agency's jurisdiction. The CPSC is committed to protecting consumers and families from products that pose a fire, electrical, chemical, or mechanical hazard. The CPSC's work to ensure the safety of consumer products - such as toys, cribs, power tools, cigarette lighters, and household chemicals - contributed significantly to the decline in the rate of deaths and injuries associated with consumer products over the past 30 years.

To report a dangerous product or a product-related injury, call CPSC's Hotline at (800) 638-2772 or CPSC's teletypewriter at (800) 638-8270. To join a CPSC e-mail subscription list, please go to <https://www.cpsc.gov/cpsclist.aspx>. Consumers can obtain recall and general safety information by logging on to CPSC's Web site at www.cpsc.gov.



FALL SCHEDULE 2009



Department of Fire Services *Office of the State Fire Marshal Code Enforcement Training*

BFPR Updates

Review of New & Revised 527 CMR Sections

This program will review all of the changes and additions made by the Board of Fire Prevention Regulations. It will provide an opportunity for fire service personnel to get information on the latest code changes. It will specifically cover 527 CMR 11, Commercial Cooking Operations and the new Certificate of Competency requirements. 527 CMR 32, Smoke Detectors will also be included.

September 1st	200-000-622-A
1830-2130	DFS Stow Room 109
September 14th	200-000-622-D
0900 – 1200	Andover Town House Banquet facility
September 15th	200-000-622-B
0900-1200	WNEC Rivers Memorial Hall
September 21st	200-000-622-E
0900-1200	Worcester FD Training Facility
September 22nd	200-000-622-C
0900 – 1200	U-MASS-Dartmouth
September 28th	200-000-622-F
1830 – 2130	Easthampton FD

Sprinkler Plan Review

This training will review the basic procedural and technical requirements for NFPA 13 fire sprinkler system installations/modifications, the required information for fire department submittals, and discuss typical and dangerous deficiencies in the plan submittals. The appropriate application of NFPA 13, NFPA 13D and NFPA 13R will also be discussed.

October 5th	200-000-619-A
0900 – 1200	Andover Town House Banquet facility
October 6th	200-000-619-D
1830 – 2130	Easthampton FD
October 8th	200-000-619-B
0900-1200	WNEC Rivers Memorial Hall
October 15th	200-000-619-C
0900 – 1200	U-MASS Dartmouth
October 19th	200-000-619-E
1830 – 2130	DFS Stow Room 109
October 27th	200-000-619-F
0900-1200	Worcester FD Training Facility

NFPA 13D/13R Training Synopsis

Training will review the history of residential fire sprinkler systems and the differences between the requirements for residential fire sprinkler systems specified in NFPA 13D and NFPA 13R. The training will also review when it is appropriate, and when it is not appropriate, to apply the various fire sprinkler standards based on Massachusetts codes and statutes. Common residential fire sprinkler system design errors and installation problems will be addressed. Basic procedural and technical requirements for NFPA 13R and 13D fire sprinkler system installations/modifications, the required information for fire department submittals, and discuss typical and dangerous deficiencies in the plan submittals.

November 2nd	200-000-623-A
0900 – 1200	Andover Town House Banquet facility
November 3rd	200-000-623-F
1830 – 2130	SABIC Pittsfield
November 9th	200-000-623-D
1830 – 2130	DFS Stow Room 109
November 13th	200-000-623-E
0900-1200	Worcester FD Training Facility
November 17th	200-000-623-B
0900 – 1200	WNEC Rivers Memorial Hall
November 19th	200-000-623-C
0900 – 1200	U-MASS-Dartmouth

Fire Alarm Plan Review

This training is an introduction into the NFPA 72 fire alarm standard. The training will cover the scope of the standard. It will detail when and where a fire alarm system is required to be installed in Massachusetts. In the training, the required information to conduct a proper fire alarm system plan review will be listed. It will address the most common design errors encountered in a basic fire alarm review. Although mentioned, it is not the intention of the training to cover 120 volt multiple station smoke alarms.

December 1st	200-000-624-F
1830 – 2130	SABIC Pittsfield
December 2nd	200-000-624-A
0900 – 1200	U-MASS-Dartmouth
December 7th	200-000-624-B
0900 – 1200	Andover Town House Banquet facility
December 10th	200-000-624-C
0900 – 1200	WNEC Rivers Memorial Hall
December 11th	200-000-624-D
0900-1200	Worcester FD Training Facility
December 14th	200-000-624-E
1830-2130	DFS Stow Room 109



FALL SCHEDULE 2009



Department of Fire Services Office of the State Fire Marshal Code Enforcement Training

Fall 2009 Classes Offered:

- BFPR Updates - Review of New & Revised 527 CMR Sections
- Sprinkler Plan Review
- NFPA 13D/13R Training Synopsis
- Fire Alarm Plan Review

Locations:

Department of Fire Services One State Road Stow, MA <i>Classroom 109</i>	Easthampton Fire Department 32 Payson Avenue Easthampton, MA	Western New England College 1215 Wilbraham Road Rivers Memorial Hall Springfield, MA	Worcester Fire Department <i>Training Division in the rear</i> 141 Grove Street Worcester, MA
University Of Massachusetts Dartmouth Woodland Commons 285 Old Westport Road Dartmouth, MA <i>Use Parking Lot # 7</i>	Andover Town House Banquet facility 20 Main St., 2 nd Floor Andover, MA <i>Use municipal parking lot to the rear</i>	SABIC Innovative Plastics One Plastics Ave Pittsfield, MA	

Register Early!

Advanced registration through the Massachusetts Firefighting Academy is required

Please use a standard MFA application

Additional information & applications can be obtained @ www.mass.gov/dfs

Who should attend?

- Fire Chiefs
- Fire Inspectors
- Company Officers responsible for Inspection

*****There is NO COST for any of these training sessions *****

**Massachusetts Department of Fire
Services Eighth Annual Weekend at
the
National Fire Academy**



November 6 – 8, 2009

Don't Delay!

**Priority will be given to applicants
who meet the NFA program selection
criteria**

**Applications must be received no
later than October 1, 2009**

**Payments must be received no later
than October 8, 2009**

MASSACHUSETTS DEPARTMENT OF FIRE SERVICES STATE WEEKEND

Massachusetts Firefighting Academy

P.O. Box 1025

Stow, MA 01775

Registration: 978-567-3200

Massachusetts Department of Fire Services State Weekend

November 6 – 8, 2009

The Massachusetts Department of Fire Services will once again be going to the National Fire Academy for a weekend of intensive training. This year we check in from 1630 to 1830 on Friday, November 6, 2009.

PLEASE NOTE THAT DUE TO HEIGHTENED SECURITY MEASURES, NO STUDENTS WILL BE ALLOWED ON CAMPUS PRIOR TO 16:00 AND CHECK IN WILL NOT START BEFORE 16:30. IT IS ESSENTIAL THAT YOU HAVE A VALID DRIVERS LICENSE FOR SECURITY PERSONNEL TO MATCH TO YOUR CLASS ROSTER. YOU SHOULD ALSO EXPECT THAT YOUR VEHICLE AND BAGGAGE WILL BE SEARCHED. ANY CONTRABAND INCLUDING KNIVES AND ALCOHOL WILL BE CONFISCATED.

A welcome and orientation meeting will take place Friday evening and it is mandatory that all participants attend. Training will begin on Saturday morning and you will be dismissed from your classroom on Sunday afternoon November 8th.

The cost of the program this year is One hundred and twenty-five dollars (\$125.00) and includes lodging for Friday and Saturday night, all meals beginning with dinner Friday and ending with lunch on Sunday, State Weekend apparel and memorabilia. There will be an additional fee of \$20.00 charged on your arrival to cover incidental expenses including the state social, class gift and memorial service expenses. Transportation to and from Emmitsburg is on your own. You are encouraged to work with other people in your area to travel together. (Note: The closest airport is BWI)

With the increased demand for this weekend, you are encouraged to send in your completed package as soon as possible. We have a limit on the number of students. You must pre-register for the weekend, as walk-ins are not allowed. Acceptance to programs will be done on a first come first serve basis. To help you be sure that all documents are complete, a checklist is enclosed. Any student applications that are not complete will result in a delay in their application being processed.

The deadline for receiving completed applications is no later than 1700 hrs on October 1, 2009. Only completed applications at that time will be reviewed for acceptance. Payment must be received with your application. It may be in the form of a bank check, money order, or personal check. Fire department purchase orders may be used to reserve your slot, however payment must be received no later than Thursday, October 8, 2009. Payment should be made out to the **Massachusetts Firefighting Academy Trust Fund**.

Mail To: **Registrar**
 Massachusetts Firefighting Academy
 P. O. Box 1025, State Road
 Stow, MA 01775-1025

If you need to cancel your participation in the Training Weekend, you should do so as soon as possible so we may allow someone else to utilize the spot. Unless cancellation is received 30 days prior to the event, the fee in whole or in part as outlined below (Department of Fire Services Policy) may not be returned unless we are able to fill the vacant spot. No shows at the National Fire Academy will result in the loss of the entire course fee.

Cancellation Policy:

Refund in Full	30 days prior to event
Refund less 10% Administrative cost	15 to 29 days prior to event
Refund less 25% Administrative cost	5 to 14 days prior to event
No Refund	0 to 4 days prior to event

You must complete the enclosed National Fire Academy Form (75-5A Application Form) as well as the Mass State Weekend Registration Form.

The standard MFA Application will not be accepted for this program.

Appropriate behavior and wearing proper attire is essential, learning from previous weekends, please review the following National Fire Academy Policies statements. Students will not be allowed to remain in class if they do not wear a collared shirt:

Class Attendance and Conduct: Students, instructors, and staff are expected to treat each other with respect at all times. Inappropriate behavior will not be tolerated and may result in removal from campus. Students must attend and participate in all class sessions and successfully complete the evaluation criteria to receive a certificate and stipend reimbursement.

Dress Code: It is each student's responsibility to use good judgment in selecting attire that projects a professional image and that is appropriate for both climate differences and classroom activities. NFA staff has the authority to make a determination that a student's attire may be inappropriate. Students whose attire is determined to be inappropriate will be required to change into more appropriate clothing before being allowed to continue class.

Acceptable Attire for Classroom Settings

- **Males:** Shirts with collars; slacks, nice jeans; departmental uniforms (no T-shirts); shoes and socks. Optional items include sweaters, sport coats, ties, etc.

PLEASE NOTE THAT COLLARED SHIRTS ARE ESSENTIAL AND STUDENTS ARE REMOVED FROM CLASS IF THEY FAIL TO APPEAR PROPERLY DRESSED.

- **Females:** Dresses; blouses with slacks or nice jeans, skirts, split skirts/skorts; departmental uniforms (no T-shirts); and shoes. Optional items include sweaters, blazers, etc.

REGISTRATION DEADLINE IS OCTOBER 1, 2009

**PAYMENT DEADLINE IS OCTOBER 8, 2009
(if using a purchase order to hold your spot)**

Massachusetts Department of Fire Services State Weekend

Application Checklist

Please make sure that you have enclosed the following. Missing information will result in a delay in processing your application. If you have any questions, please do not hesitate to call the Academy Registrar at 978-567-3226.

NATIONAL FIRE ACADEMY 75-5A SHORT APPLICATION FORM:

_____ Please check that this form is completely filled out as detailed below:

- Complete lines 1 thru 11
- **Leave blank** boxes **12A, 12B & 12C**
- Complete lines 13 thru 18B
- Head of sponsoring agency complete 19A, 18B & 19C
- **DO NOT COMPLETE ANYTHING BELOW LINE 20.**

_____ This form must be signed by you

_____ This form must be signed by your Fire Chief

Massachusetts State Weekend Registration Form:

_____ This form must be completed with your full name

_____ You must select three course choices

_____ You must indicate your shirt size

_____ This form must be signed by you

Form of Payment:

_____ Enclose a bank check, money order or personal check made payable to the
Massachusetts Firefighting Academy Trust Fund.

Please note that a fire department purchase order may be used to reserve your slot. Completed applications are due Thursday, October 1, 2009. Payment must be received by Thursday, October 8, 2009 in order to receive your acceptance documents and necessary paperwork to attend

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
GENERAL ADMISSIONS APPLICATION SHORT FORM

See Reverse for
Privacy Act Statement

O.M.B. No. 1660-0100
Expires May 31, 2010

USE THIS FORM ONLY IF APPLYING FOR NFA OFF CAMPUS COURSES (EXCLUDING REGIONAL DELIVERIES)

SECTION I - GENERAL INFORMATION

1. DATE OF BIRTH (Mo, Day, Yr.)	2. GENDER <input type="checkbox"/> FEMALE <input type="checkbox"/> MALE	3. U.S. CITIZEN <input type="checkbox"/> YES <input type="checkbox"/> NO If No, City and Country of Birth: _____
4a. ETHNICITY 1. <input type="checkbox"/> HISPANIC or LATINO 2. <input type="checkbox"/> NOT HISPANIC or LATINO	4b. RACE (Please check all that apply) 1. <input type="checkbox"/> AMERICAN INDIAN or ALASKA NATIVE 2. <input type="checkbox"/> ASIAN 3. <input type="checkbox"/> BLACK or AFRICAN AMERICAN 4. <input type="checkbox"/> WHITE 5. <input type="checkbox"/> NATIVE HAWAIIAN or PACIFIC ISLANDER	
5. PLEASE PRINT YOUR NAME (Last, First, Middle, Suffix)		6. SOCIAL SECURITY NUMBER
7. HOME ADDRESS (Street, avenue, road no./city or town, state and zip code)		8. WORK PHONE NO. () 9. HOME PHONE NO. () 10. FAX NO. () 11. E-MAIL ADDRESS:
12a. ENTER COURSE CODE AND TITLE	12b. COURSE LOCATION	12c. DATE
13. DO YOU HAVE ANY DISABILITIES (Including special allergies or medical disabilities) WHICH WOULD REQUIRE SPECIAL CONSIDERATION DURING YOUR ATTENDANCE IN TRAINING? <input type="checkbox"/> NO <input type="checkbox"/> YES (If yes, indicate & describe any special considerations required on a separate sheet)		

SECTION II - EMPLOYMENT INFORMATION

14a. NAME AND COMPLETE ADDRESS OF ORGANIZATION BEING REPRESENTED			14b. NFIRS # (NFA STUDENTS ONLY)	15. CURRENT POSITION AND NUMBER OF YEARS IN POSITION
16. CHECK THE BOX(ES) BELOW THAT BEST DESCRIBE YOUR ORGANIZATION			16b. ORGANIZATION	16c. CURRENT STATUS
16a. JURISDICTION 1. <input type="checkbox"/> STATEWIDE 2. <input type="checkbox"/> COUNTY GOVERNMENT 3. <input type="checkbox"/> CITY/TOWN/VILLAGE	4. <input type="checkbox"/> SPECIAL DISTRICT/TOWNSHIP/ TRIBAL NATION 5. <input type="checkbox"/> FEDERAL/MILITARY (non-DHS) 6. <input type="checkbox"/> INDUSTRY/BUSINESS	7. <input type="checkbox"/> FOREIGN 8. <input type="checkbox"/> DHS/FEMA 9. <input type="checkbox"/> NDER/IMA	1. <input type="checkbox"/> ALL CAREER 2. <input type="checkbox"/> ALL VOLUNTEER 3. <input type="checkbox"/> COMBINATION	1. <input type="checkbox"/> PAID FULL TIME 2. <input type="checkbox"/> PAID PART TIME 3. <input type="checkbox"/> VOLUNTEER 4. <input type="checkbox"/> DISASTER RESERVIST

SECTION III - ENDORSEMENT AND CERTIFICATION

17a. I certify that the information recorded on this application is correct. Falsification of information will result in denial of a course certificate and stipend (U.S.C. 1001).		
17b. I hereby authorize the release of any and all information concerning my enrollment in this course to the chief officer in charge, or designee, of my organization. All requests for information shall be in writing from said chief officer or designee.		
17c. Further, I understand that the National Emergency Training Center (NETC), the Mt. Weather Emergency Operations Center (MWEOC), and the Noble Training Facility (NTF) are not authorized to provide medical or health insurance for students. I maintain appropriate insurance on an individual basis.		
17d. I agree to abide by the rules, policies, and regulations of NETC, MWEOC and NTF. Failure to do so will result in denial of the student stipend, expulsion from the course, and possible barring from future National Fire Academy (NFA) and Emergency Management Institute (EMI) courses.		
18a. SIGNATURE OF APPLICANT		18b. DATE
19. APPROVAL BY THE HEAD OF THE SPONSORING ORGANIZATION (NOT REQUIRED FOR SELF - STUDY PROGRAMS)		
By signing this application, I certify that my organization does not discriminate on the basis of age, sex, race, color, religious belief, national origin, economic status, or disability in providing educational opportunities for its employees.		
19a. SIGNATURE	19b. PRINTED NAME AND TITLE	19c. DATE
20. ADDITIONAL ENDORSEMENTS FOR APPLICATION TO THE EMERGENCY MANAGEMENT INSTITUTE (NOT REQUIRED FOR SELF - STUDY PROGRAMS)		
20a. SIGNATURE AND DATE (State Office)		20b. SIGNATURE AND DATE (FEMA Regional Office)
21. SUBMIT APPLICATION TO APPROPRIATE SPONSOR		

22a. DISPOSITION <input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	22b. SIGNATURE OF REVIEWER	22c. DATE
---	----------------------------	-----------

EQUAL OPPORTUNITY STATEMENT

NFA and EMI are Equal Opportunity institutions. They do not discriminate on the basis of age, sex, race, color, religious belief, national origin, or disability in their admissions and student-related procedures. Both schools make every effort to ensure equitable representation of minorities and women in their student bodies. Qualified minority and women candidates are encouraged to apply for all courses.

PRIVACY ACT STATEMENT

GENERAL - This information is provided pursuant to Public Law 93-579 (Privacy Act of 1974), Title 5 United States Code (U.S.C.), Section 552a, for individuals applying for admission to NFA or EMI.

AUTHORITY - Federal Fire Prevention and Control Act of 1974, as amended, Title 15 U.S.C., Sections 2201 et. seq.; Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended, Title 42 U.S.C., Sections 5121, et. seq.; Title 44 U.S.C. Section 3101; Executive Orders 12127, 12148, and 9397; Title VI of the Civil Rights Act of 1964; and Section 504 of the Rehabilitation Act of 1973.

PURPOSES - To determine eligibility for participation in NFA and EMI courses. Information such as age, sex, and ancestral heritage are used for statistical purposes only.

USES - Information may be released to: 1) FEMA staff to analyze application and enrollment patterns for specific courses, and to respond to student inquiries; 2) a physician to provide medical assistance to students who become ill or are injured during courses; 3) Members of the Board of Visitors for the purpose of evaluating programmatic statistics; 4) sponsoring States, local officials, or State agencies to update/evaluate statistics of NFA and EMI participants; 5) Members of Congress seeking first party information; and 6) Agency training program contractors and computer centers performing administrative functions.

EFFECTS OF NONDISCLOSURE - Personal information is provided on a volunteer basis. Failure to provide information on this form, however, may result in a delay in processing your application and/or certifying completion of the course.

INFORMATION REGARDING DISCLOSURE OF YOUR SOCIAL SECURITY NUMBER UNDER PL 93-579, SECTION 7(b) - E.O. 9397 authorizes the collection of the SSN. The SSN is necessary because of the large number of individuals who have identical names and birthdates and whose identities can only be distinguished by the SSN. The SSN is used for recordkeeping purposes, i.e., to ensure that your academic record is maintained accurately. Disclosure of the SSN is voluntary. However, if you do not provide your SSN, another number will be substituted, which will delay processing of your application or course certificate.

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 6 minutes per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC, 20472, Paperwork Reduction Project (1670-0100). **NOTE: Do not send your completed form to the above address.**

NAME: Last _____ First _____ MI _____

**Massachusetts Department of Fire Services State Weekend
Registration Form**

November 6 – 8, 2009

The following programs will be offered at State Weekend this year. Please select your top three choices from the list below. If you have only selected one and that program is full, then your application will not be accepted. Every effort will be made to accommodate your first requests; however, course placement cannot be guaranteed. All courses are on a first come first serve basis based on meeting the course criteria. **All applicants will receive a letter that will state whether or not they have been selected for the program(s) requested.**

Number	Code	Course Name
355	CFPA	A Comprehensive Fire Protection Approach for Commercial Occupancies
357	FM	Fire Modeling

Note: The above two courses are single day offerings and must be taken together, both should be listed as one choice.

Number	Code	Course Name
290	TOSD	Training Operations in Small Departments
455	STICO	Strategy and Tactics for Initial Company Operations
458	PICO	Preparation for Initial Company Operations
805	LS III	Leadership III: Strategies for Supervisory Success

Course Selections: 1st choice _____

2nd choice _____

3rd choice _____

All students attending will receive Massachusetts State Weekend Apparel. This year you will receive a pullover windshirt. Please indicate the size you would like by circling below.

The size that you select cannot be exchanged.

Small Medium Large X-Large XX-Large XXX-Large

Signature _____

MASSACHUSETTS DEPARTMENT OF FIRE SERVICES
EIGHTH ANNUAL STATE WEEKEND AT THE NATIONAL FIRE ACADEMY

COURSE DESCRIPTIONS

A Comprehensive Fire Protection Approach for Commercial Occupancies (CFPA) (W355)

Course Description	This course uses a comprehensive fire protection approach to frame areas of scientific and engineering studies around fire growth patterns, products and systems involved with the appropriate fire protection solution, fire and building codes, and the use of fire mitigating tools. Analysis of historical commercial building fires highlights the development of building codes, fire codes, and product test methods. Students learn how to assess the validity of a product's performance test for a specific product application or end-use using a certification label. In a final case study, students apply the comprehensive fire protection approach to the analysis of a documented commercial fire and determine the impact on firefighting strategies.
Selection Criteria	Firefighters and fire officers; fire marshals, inspectors, and building inspectors, career and volunteer firefighters who have prevention responsibilities.

Fire Modeling (FM) (W357)

Course Description	The course presents data from test burns of single-family occupancies to enable firefighters to evaluate, analyze, and use fire computer models effectively, such as the Fire Dynamics Simulator (FDS). By viewing expert scientific and engineering perspectives, and discussing and analyzing results of videotaped test burns and burn data, students will learn the benefits, applications, and limitations of fire modeling. Students will apply data from fire scenarios to the FDS to understand how different conditions may affect the outcome of an actual fire. Students also will be introduced to different types of fire tests, with explanations of their application and reliability.
Selection Criteria	Firefighters and fire officers; fire marshals, inspectors, and building inspectors, career and volunteer firefighters who have prevention responsibilities.

Note: The above are one day programs and must be selected together

The following are all two-day programs

Training Operations in Small Departments (TOSD) (W290)

Course Description This 2-day course is designed to provide students with some basic tools and skills to coordinate training in a small fire/EMS organization. A training function in a smaller department typically may include conducting training drills and coordinating training with a nearby larger city or State training function. Course content includes* Leadership issues in fire service training, such as why and how the local training officer must be a catalyst for change, and personal motivators within the department.* Identifying the legal issues affecting the training function, including an understanding of a standard of care, and the impact of OSHA and NFPA standards.* Safety considerations in training.* Marketing training internally.* Identifying ways to justify training needs.* Resolving training conflicts using appropriate conflict resolution techniques.* Selecting and evaluating training curriculum and materials from outside sources.* Effective delivery and evaluation of training.

Selection Criteria * Fire and rescue personnel who coordinate training in small departments.* Volunteer firefighters and officers who instruct in small fire and rescue departments.* Fire personnel serving on training committees.* Training officers in volunteer fire departments. NOTE: Students who have taken NFA's Challenges for Local Training Officers through the Volunteer Incentive Program are not encouraged to take NFA's Training Operations in Small Departments.

Strategy and Tactics for Initial Company Operations (STICO) (W455)

Course Description (formerly MCTO:Tactics)STICO is designed to meet the needs of Company Officers responsible for managing the operations of one or more companies during structural firefighting operations. STICO is designed to develop the management skills needed by company officers to accomplish assigned tactics at structure fires.

Selection Criteria Senior firefighters who may at times assume the responsibilities of the company officer (NFPA 1001, Standard for Fire Fighter Professional Qualifications, Level II).

Preparation for Initial Company Operations (PICO) (W458)

Course Description This course is designed to develop a better understanding of the role and responsibilities of a Company Officer in preparing their company for incident operations. In addition, to clarify the transition from firefighter to company officer and the new roles relating to leadership and safety. This course is designed for company officers, acting company officers, or senior firefighters responsible for the management of a single fire company at an emergency incident. Those officers who are responsible for company readiness, personnel safety, and leadership as it relates to company operation.

Selection Criteria Company officers, acting officers, or senior firefighters who command a fire company during emergency operations. Those officers who are responsible for maintaining skills and company readiness.

Leadership III: Strategies for Supervisory Success (LSIII) (W805)

Course Description This 2-day course provides the company officer with the basic leadership skills and tools to perform effectively in the fire service environment. The course covers when and how to delegate to subordinates, assess personal leadership styles through situational leadership, discipline subordinates, and apply coaching/motivating techniques.

Selection Criteria * Line fire officers, unit commanders, or program supervisors. * Fire or rescue personnel due for promotion/appointment to officer rank or supervisory position within 6 months. * Training officers, staff, or administrative officers of fire and rescue organizations.

2009 State Weekend Program

Frequently Asked Questions

Dress Code:

It is each student's responsibility to use good judgment in selecting attire that projects a professional image and is appropriate for both climate differences and classroom activities. The staff at the National Fire Academy (NFA) has the authority to make a determination that a student's attire may be inappropriate. Students wearing attire that is determined to be inappropriate will be required to change into more appropriate clothing before being allowed to continue class.

Males: **Shirts with collars (no T-Shirts)**, slacks, nice jeans, including departmental uniforms, shoes, and socks.

Females: Dresses, blouses with slacks or nice jeans, skirts, including departmental uniforms, (no T-Shirts), and shoes.

Optional items include sweaters, sport coats, blazers, etc.

Professional Conduct:

Problems occasionally arise on the National Emergency Training Center (NETC) campus while students are in residence as part of the NFA's State Weekend Program. **During our past seven State Weekends, such problems have included late night rowdiness, excessive consumption of alcoholic beverages, damage to the dormitories, inappropriate physical acts, discharge of fire extinguisher, etc. In every instance, this behavior is limited to a small group of students; however, the acts of a few reflect negatively on Massachusetts fire training program and the national fire service community as a whole. It should be clearly understood that the Massachusetts Department of Fire Services has a zero tolerance for behavior based issues; conduct of this nature will not be tolerated. As we have demonstrated in the past students who exhibit poor judgment, or inappropriate behavior will be asked to leave the weekend and if the behavior is extreme, they may be subject to federal charges.**

Each individual has the personal responsibility to exhibit professional conduct while on this campus. The designated representative of the State fire training agency has the responsibility and authority to monitor and, with campus security personnel, to take necessary action to correct the unprofessional conduct.

As a student, your assistance in this matter is appreciated. Should you encounter difficulties or disruptions, you are encouraged to notify the Campus Security Office (Building V) by dialing "911" or "O" on any campus phone.

Campus security has the authority to request the name(s) of any individuals or student who may be disruptive or discourteous. It is expected that an individual's name will be provided if requested. The security officer will then inform the State representative of the circumstances surrounding the incident.

In instances of alleged misconduct, the State representative and a USFA staff member will be responsible for determining all the facts related to the incident. Decisions regarding dismissal of the student will be made at the conclusion of the review. The final authority for dismissal rests with the senior USFA official on campus at the time. However, in instances where misconduct occurs outside class hours, the State representative has the authority to dismiss a student at any time. Student dismissal procedures and notification will follow the guidelines described in the NETC Information Handbook on the desk in your room.

Quiet hours in the dormitories begin at 11:00 p.m. Those that violate the campus quiet hours policy are subject to dismissal from campus as outlined in the conduct policy.

With regard to the State Weekend Program social, the State representative will abide by Maryland law concerning the service and consumption of alcohol. Persons under the age of 21 will not be served under any circumstances. Alcoholic beverages are not permitted in the dormitories at any time.

Messages: The incoming campus telephone number is 301-447-1048 for messages. This number is operational 24 hours a day.

Recreation: The campus has several areas available for student recreation:

- Student center with wide-screen color television, and card, billiard, and ping-pong tables.
- Command Post Pub, located in the Student center (Building B) serving snacks, beer and wine. The Pub is open Friday and Saturday from 4:00 p.m. to midnight.
- Athletic facilities (Building H) with exercise room and swimming pool.
- Athletic equipment is available for checkout in Building H. This includes tennis, softball, golf, basketball, and volleyball equipment.

Housing: Rooms are assigned randomly once you are accepted into a course. Because of the random assignment of rooms, you may/may not be lodged in the same building as your classmates. Every effort is made to ensure that you have a single room. However, if the student count is high, you may be doubled with another student. **Please do not call to request a single room. Relatives and friends of NETC students cannot stay on campus. Campus accommodations are only for NETC students.**

Internet Access: WiFi is now available in all dormitories

**Smoking
Policy:**

As of March 20, 2000, a change in the campus smoking policy was issued. The new policy was issued. The new policy change makes all buildings on campus smoke-free. The only exception to this policy is the Pub area.

**Late Cancellations
and No Shows:**

In an effort to admit the greatest possible number of students, the following policy to manage the persistent problem of late cancellations and no-show students was developed. If a student is unable to attend a course, he/she must notify the State Coordinator or the State Weekend Manager 30 days before the course start date, except in cases of emergency cancellation. A student who cancels within the 30 days of the course start date will be restricted from attendance. To remove the restriction, the student's supervisor must send a letter explaining the cancellation. A student who does not cancel attendance in writing will be denied admission for the next 24 months.

Personal Needs:

A convenience store is located on campus. It is located in the basement of Building D. It is open until 11:00 p.m. on Friday and Saturday nights and all day on Sunday.

Fire Extinguishers & Emergency Wash Stations

527 CMR 10.02

Says where, how many and what kind of fire extinguishers and emergency wash stations schools need.

Has testing and inspection requirements.

Labs are required to have emergency wash systems (showers) or fire blankets and signage.

Chemistry Labs

527 CMR 14

Permits and special storage arrangements may be required based on the type and quantity of chemicals stored.

Don't store chemicals alphabetically.

Think about the life cycle and hazardous waste disposal when purchasing and storing chemicals.

See 527 CMR 10 for emergency wash stations, fire blankets and signage.

General Housekeeping

Store cleaning chemicals in a safe and secure area (not next to heat sources.)

Shut off the appliances in the teacher/staff lounge each day.

Teach kitchen fire safety to cafeteria staff and include them in fire drills. Kitchen fires are one of the leading causes of fires in schools.

School Fire Reporting Law

MGL c.148 s.2A

OSFM Advisory 6/1/2006, 8/1/2006

Requires schools to report all fires to the local fire department.

Requires fire departments to report all school fires to the Mass. Fire Incident Reporting System (MFIRS).

No Smoking in Schools

Fire Protection Systems

527 CMR 1.06, 527 CMR 11(Kitchen)

Requires schools to inspect, test and maintain fire alarm, fire sprinkler and kitchen suppression systems.

Fire and Life Safety Education

MGL c.71 s.1

DOE Health Curriculum Frameworks

The Student Awareness of Fire Education or S.A.F.E. Program has trained firefighter-educators to work with classroom teachers.

Consider using fire safety topics for practice MCAS essay questions.

School fire prevention requires teamwork. Local fire departments want to work closely with local school officials to create safe schools and to help keep them that way.

Fire Prevention in Schools



Kevin M. Burke
Secretary of Public Safety

Stephen D. Coan
State Fire Marshal

P.O. Box 1025 - State Road
Stow, Massachusetts 01775
978-567-3300
www.mass.gov/dfs

A school is one of the most important resources a community has. A fire destroys costly bricks and mortars but also the heart of the community.

This pamphlet is designed to give a quick summary of the fire prevention regulations affecting schools with directions on where to find more detailed information.

Fire prevention laws can be found in MGL Chapter 148 and most fire prevention regulations affecting schools can be found in 527 Code of Massachusetts Regulations (CMR) 10. The Department of Fire Services' website has these and many helpful Office the State Fire Marshal (OSFM) Advisories - www.mass.gov/dfs and look for *OSFM Advisories* under *News & Events* and under *Fire Prevention*.

School Fire Drills

527 CMR 10.09
OSFM Advisory 6/27/2001

Fire Departments are required to conduct fire drills in schools four times a year including one within three days of the start of school.

School Evacuation and Multi-Hazard Plans

Section 363 of Chapter 159
of the Acts of 2000

School superintendents are required to meet with the local police and fire chiefs to develop a multi-hazard evacuation plan.

Place of Assembly (Theatres, Auditorium, Gym, Cafeteria)

527 CMR 10.17

Need a certificate of inspection from the building official which will set the occupancy limit.

New severe penalties for violating occupancy limits and blocked egress, passed in the aftermath of the fire at The Station nightclub.

See *School Wall Decoration* regulations for proms, dances, etc.

See regulations on drapery and curtains.

Upholstered Furniture, Molded Chairs and Re- Upholstered Furniture

527 CMR 29
OSFM Advisory 12/20/2002

Requirements are different for sprinklered and unsprinklered buildings.

Flammability testing requirements for furniture.

Furniture should be resistant to fire. It can produce volumes of toxic smoke.

Decorations, Curtains, Draperies and Window Treatments

527 CMR 21

Requires certification that these products meet flammability standards.

Theatrical Special Effects

527 CMR 2.09
OSFM Advisory 8/1/2003 and 1/5/2007

Need a permit from local fire department to use special effects and pyrotechnics (including flash powder and flash paper).

Must be conducted by licensed individual.

Failure to do so constitutes a violation of MGL c148 s.34A with a \$5,000 fine and/or 2 1/2 years in prison - passed in the aftermath of the fire at The Station nightclub.

School Wall Decorations (Uses of Paper Materials)

527 CMR 10.09 (5)
OSFM Advisory 10/21/2003, 11/1/2006
DFS has an entire webpage devoted to this topic: www.mass.gov/dfs click on *Fire Prevention* then *School Wall Regulations*.

- » FAQs
- » Regulations Explained
- » Overview

Regulates how, where and how much paper decorations may safely be displayed on walls in sprinklered and unsprinklered buildings.

When building new schools, consider this regulation and include bulletin board design to safely display paper materials.

Fire Lanes

527 CMR 10.03

Regulations on designation, maintenance and preventing obstruction of fire lanes.

Keep clear at all times.

Cooking Safety

- Put a lid on a grease fire to smother it then turn off the heat. Baking soda will also work.
- Wear tightfitting sleeves when cooking. Loose sleeves easily catch fire.
- Never throw water on a grease fire. Water will only spread the fire around.
- Never move a burning pan. You can too easily ignite your clothes or spill the fire onto someone or something else.
- Stand by your pan! Never leave cooking unattended.

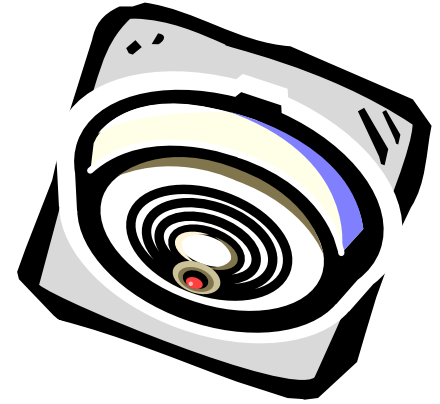


Safe Smoking

- Try to quit again.
- For health and fire safety reasons, permit smoking outside only.
- Never smoke in bed.
- Use large ashtrays with center rests so cigarettes fall into the ashtray not on the floor.
- Smokers should keep lighters on their person, not on the table or in a purse where children can find them.
- Never smoke in homes where oxygen is in use.

Match and Lighter Safety

- Purchase child resistant lighters.
- Keep all matches and lighters out of reach and sight of children. A high, locked cabinet is recommended.
- Teach children that matches and lighters are not toys, they are tools for grown-ups.
- Teach young children to tell a grown-up when they see matches or lighters lying around.
- Never give a lighter to a child as a toy.



Fire Safety Tips



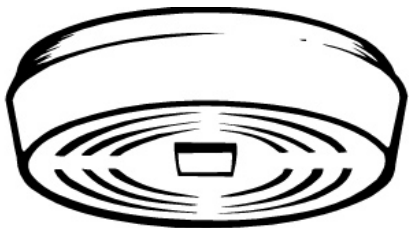
Stephen D. Coan
State Fire Marshal

*P.O. Box 1025 - State Road
Stow, Massachusetts 01775
978-567-3300
www.mass.gov/dfs*

When the smoke detector sounds get out of the building immediately before your escape route is blocked.

To survive a fire: install and maintain smoke detectors and practice an escape plan.

- Install smoke detectors on every level and outside each sleeping area.
- Test them monthly.
- Replace the battery twice a year.
- Never disable your detector.



- Practice your home escape plan with the whole family twice a year.
- Plan 2 ways out of each room. The easy way out is probably the door and the second way out might be a window.
- If you plan for a child or a senior to exit a window, make sure they can open it easily.
- If you can't get out, close your door and go to the window and signal for help. Teach children never to hide under beds or in closets.

- If you must go through smoke, crawl low. The coolest, cleanest air will be about 18 inches off the ground.
- Have a meeting place outside where everyone will meet. Be able to tell the fire department if everyone is out safely.
- Stay out; don't go back into a burning building for anything.
- Telephone the fire department from a neighbor's house or use the fire alarm emergency box.

Use this grid to draw a floor plan of each person's bedroom or to show the whole house.

X - Meeting Place